

# PVS-820S

## SERVICE MANUAL

AEP Model  
UK Model



### SPECIFICATIONS

#### Audio

Input/output connector

Connector	Type	Number of channels	Impedance	Reference level	Max. level
AUDIO IN	Phono jack	8 (stereo)	47 k $\Omega$	-10 dBs	+10 dBs
AUDIO OUT	Phono jack	2 (stereo)	470 $\Omega$	-10 dBs	+10 dBs

0 dBs=0.775 V

Load impedance: More than 10 k $\Omega$

Frequency characteristics: 20 Hz - 20 kHz  
+0.1/-0.5 dB

Total harmonic distortion: Less than 0.005% (20 Hz - 20 kHz,  
-10 dBs, load:10 k $\Omega$ )

Crosstalk: Less than -80 dB

(when fully inputting/outputting 1 kHz, +10 dBs)

S/N ratio: More than 95 dB (IHF-A, input short)

#### Video (composite)

Signal system: PAL / NTSC

Input/output connector

Connector	Type	Number of channels	Impedance
VIDEO IN	BNC	8	75 $\Omega$
VIDEO OUT	BNC	2	75 $\Omega$

Reference Video terminal

Terminal	Form	Number of inputs	Impedance	Max. input level
REF IN	BNC	2	47 k $\Omega$	4 Vp-p

Frequency characteristics: 100 kHz - 10 MHz, +0.3/-1 dB

DG: Less than 0.5%

DP: Less than 0.5%

Crosstalk: Less than -48 dB

(4.43 MHz, when fully inputting/outputting)

S/N ratio: More than 65 dB (100 kHz HPF, 5 MHz LPF)

K factor: Less than 0.3% (2-T pulse)

#### S Video

Signal system: PAL / NTSC

Input/output connector

Connector	Type	Number of channels	Impedance
S-VIDEO IN	4-pin mini DIN	4*	75 $\Omega$
S-VIDEO OUT	4-pin mini DIN	2	75 $\Omega$

\*Interlocked with channels 1 to 4 of VIDEO IN (composite)

Frequency characteristics: 100 kHz - 10 MHz, +0.3/-1 dB

Cross talk: Less than -48 dB

(4.43 MHz, when fully inputting/outputting)

S/N ratio: More than 65 dB (100 kHz HPF, 5 MHz LPF)

K factor: Less than 0.3% (2-T pulse)



#### REMOTE Port (PARALLEL I/O)

Terminal form: 25-pin D-SUB

SELECT IN:

Input type: Make contact input (TTL level)

Number of inputs: 18

ON-state voltage: Less than 1.5 V

OFF-state voltage: More than 2.7 V

Input dielectric strength: 30 V

Terminal voltage during open circuit: 4.5 V

Input pulse width: More than 20 msec

CASCADE OUT:

Output type: Open collector output

Number of outputs: 2

Residual voltage at ON-state: Less than 0.5 V

Leakage current at OFF-state: Less than 0.1 mA

Max. sink current: 100 mA

Output dielectric strength: 30 V

Output pulse width: 40 msec

#### General

Power consumption: 17 W

Operating temperature: 0 to 40°C

Storage temperature: -20 to 60°C

Mass: 4 kg

Dimensions: 482 (W) x 88 (H) x 220 (D) mm

(excluding protruding parts)

Accessory: Power cable (1)

Specifications and appearance are subject to change without notice.

MATRIX SWITCHER  
**SONY**®

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## Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270°C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

## Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

## SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK  OR DOTTED LINE WITH MARK  ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

## Features

The PVS-820S matrix switcher has eight sets of input and two sets of output connectors for sending or recording video with stereo audio signals, to serve as an integral part of your AV system for conference or presentation.

### AV 8-Input 2-Output Matrix Functions

Video/audio (stereo) can be switched in a matrix using 8 channels for input and 2 channels for output. For S video signals, there are connectors for input channels 1 through 4, also with 2 output channels.

### Reference Signals

Inputting a reference video signal allows synchronized video signals to be switched without momentary deterioration of picture quality.

### REMOTE Parallel Port

The REMOTE parallel port carries the information from crosspoint buttons, to enable remote control from an external switch or the SRP-C5000 system controller.

### Crosspoint Locking

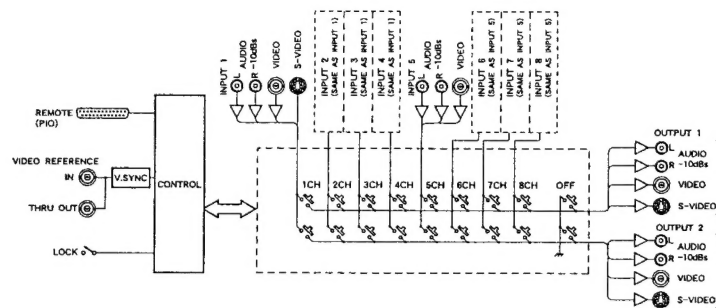
Using the LOCK switch prevents signals from being switched by incorrect operation of the crosspoint buttons.

### Output OFF Functions Provided

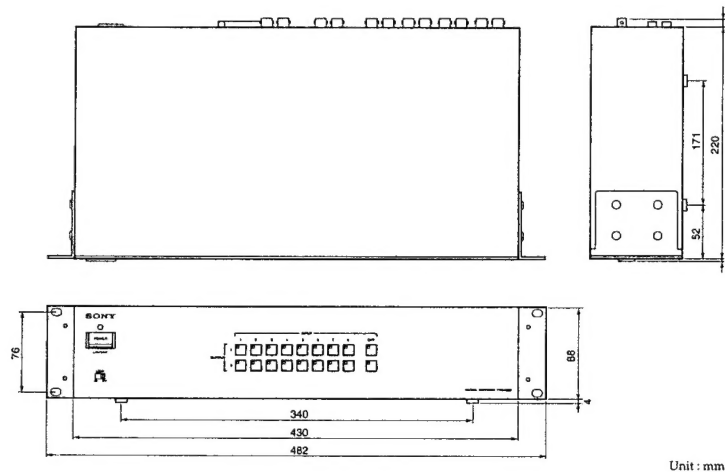
### Rack Mounting

The PVS-820S matrix switcher can be installed in a standard EIA 19-inch rack (2U size).

## Block Diagram



## Dimensions



Unit : mm

### Mounting on the EIA 19-inch standard rack

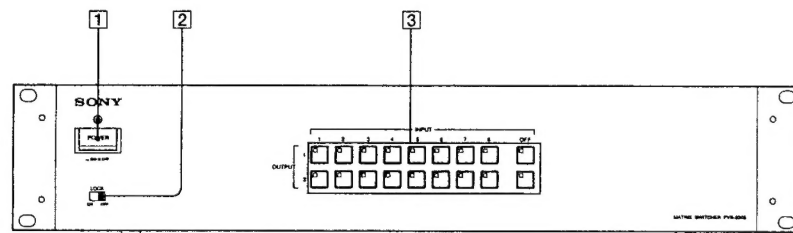
To stack the unit on top of, or under, other equipment in an EIA 19-inch standard rack, remove the feet on the bottom of the unit. To remove the feet, pull out the pin at the center with tweezers or with the edge of a screwdriver. If you do not need the rack mount fittings, remove them by removing the screws on the side.

## SECTION 1 GENERAL

This section is extracted from  
instruction manual.

# Location and Functions of Parts

## Front panel



### 1 POWER Switch and Pilot Lamp

Press the POWER switch to turn the power ON, and the pilot lamp will light up.

### 2 LOCK Switch

Setting the LOCK switch to ON locks the settings of the crosspoint buttons. Under this setting, signals will not be switched when the crosspoint buttons are pressed. Use this switch to prevent signals from being switched by incorrect operation. Normally, the LOCK switch should be set to OFF.

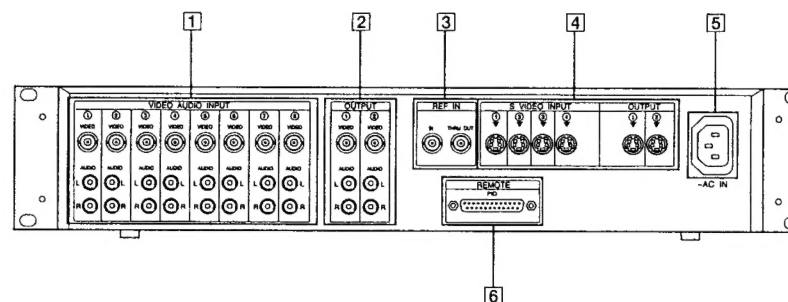
#### NOTE

- The POWER switch will not be locked.
- The signals can be remotely switched via a REMOTE Port even when the LOCK switch is set to ON.

### 3 Crosspoint Buttons

Use these buttons to select the input and output channels. For either of the output channels 1 (top row) or 2 (bottom row), choose the channel that is to be the input channel and press the numbered button or the OFF button in that row. The indicator of the button you have just pressed lights up. Pressing the OFF button sends black-screen video and muted audio rather than static to that output channel. Using the REF IN connector on the rear panel allows you to switch synchronized video signals without momentary deterioration of picture quality. (See "3 REF IN Connectors" on page 5.)

## Rear panel



### 1 VIDEO AUDIO INPUT connectors and jacks

Input connectors for AV equipment

**VIDEO:** Accepts a composite video signal.

Internal limiting: 75 Ω

**AUDIO:** Accepts an audio signal.

### 2 OUTPUT connectors and jacks

Outputs video and audio signals from the input source selected using one of the crosspoint buttons.

### 3 REF IN (Reference Video Input) connectors

The video signals are switched in units of fields by being synchronized with the vertical blank pulse of the video signal input from the REF IN connectors. When video signals are synchronized with the signal input to this connector, switching can be performed without momentary deterioration of picture quality. The two terminals are loop-through. If no signal is input to the REF IN connector, switching will be performed asynchronously.

### 4 S VIDEO INPUT/OUTPUT connectors

Input/output connectors for S video signals. Signals can be switched with the same timing as with the composite video input channels 1 to 4. No conversion will be made between S video signals and composite video signals. S video signals will not be output when channels 5 to 8 are selected using the crosspoint buttons.

### 5 AC IN Connector

To connect the supplied power cable.

### 6 REMOTE Port

The video audio signals can be switched from external to remote control by connecting on SRP-C5000 system controller or push-button switches via the REMOTE port. (See page 6.) The remote control functions do not include control of the POWER and LOCK switches.

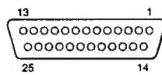


## Functions of the REMOTE Port and Connection Examples

### Functions of the REMOTE Port

The REMOTE Port of this unit is available as a 25-pin D-SUB connector.

Pin assignment of the REMOTE Port



#### GND

Reference terminal to inputs and outputs. The pins labeled GND are internally hard-wired to ground.

#### SELECT INPUTS (1-1 to 1-8 or 1-OFF, 2-1 to 2-8 or 2-OFF)

Each of these pin sockets corresponds to a crosspoint button. Remote control can be performed by connecting a contact switch or output pin of an open collector between each live socket and GND.

- Signals can be switched with a pulse of approximately 20 msec or more.
- As the system is provided with internal pull-up, a voltage of approximately 4.5 V will be supplied during open circuit.

Pin No.	Type	Name	Pin No.	Type	Name
1	—	GND	14	—	SELECT 1-1
2	—	SELECT 1-2	15	—	SELECT 1-3
3	IN	SELECT 1-4	16	IN	SELECT 1-5
4	—	SELECT 1-6	17	—	SELECT 1-7
5	—	SELECT 1-8	18	—	SELECT 1-OFF
6	OUT	CASCADE 1	19	—	GND
7	—	GND	20	—	SELECT 2-1
8	—	SELECT 2-2	21	—	SELECT 2-3
9	IN	SELECT 2-4	22	IN	SELECT 2-5
10	—	SELECT 2-6	23	—	SELECT 2-7
11	—	SELECT 2-8	24	—	SELECT 2-OFF
12	OUT	CASCADE 2	25	—	GND
13	—	GND			

#### CASCADE OUTPUTS 1 and 2

Use these terminals to make a cascade connection using multiple PVS-820S switchers.

The terminals output a pulse of approximately 40 msec during the instant of switching the signals.

- The terminals output no pulse when switching to OFF.
- As the terminals use open collector output, no voltage will be output during open circuit (0 V).
- Connect these terminals to the SELECT INPUT in the port of another PVS-820S. (See page 7.)

#### NOTE

When connecting to equipment other than a PVS-820S, be sure that the maximum incoming current is no greater than 100 mA. Exceeding 100 mA will cause a damage to internal circuitry.

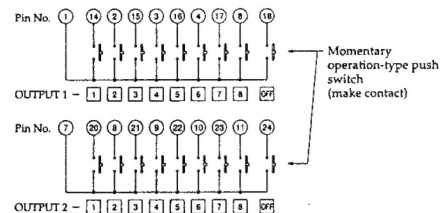
### Examples of REMOTE Port Connection

#### Example of Push-Switch Connection

The same operation as using the 18 cross-point buttons on the front panel can be performed by connecting push switches, as shown in the right figure.

#### NOTE

The selected channel cannot be displayed at the remote side.



#### Connection with the SRP-C5000 System Controller

Remote control from the SRP-K5000 control panel, etc. can be made by connecting the SELECT INPUTs of the REMOTE Port to the OUTPUT pins of the PIO terminal of the SRP-C5000 system controller.

For details, refer to the operation manual of the SRP-C5000.

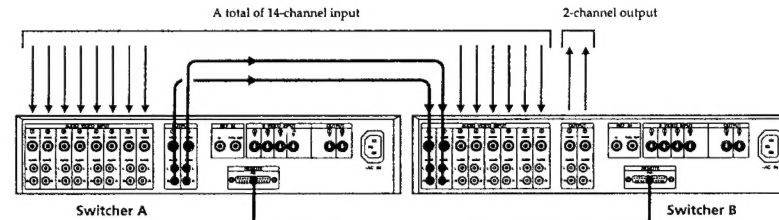
#### NOTE

The pin assignment of the PVS-820S differs from that of the SRP-C5000. Controlling all crosspoint buttons of the PVS-820S requires three ports (Port 3 is used only with two outputs).

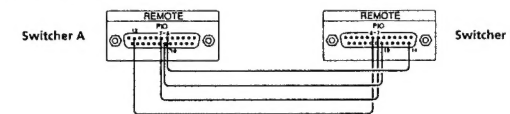
## To Increase Inputs

### To build a 14-input 2-output system using two PVS-820S switchers

The number of inputs can be increased by cascade connection, inputting output from switcher A to switcher B. Using the REMOTE port allows interlocked operation so that switcher B outputs according to the operation at switcher A.



Example of REMOTE Port connection: Connect the CASCADE outputs of switcher A to the corresponding SELECT inputs of switcher B

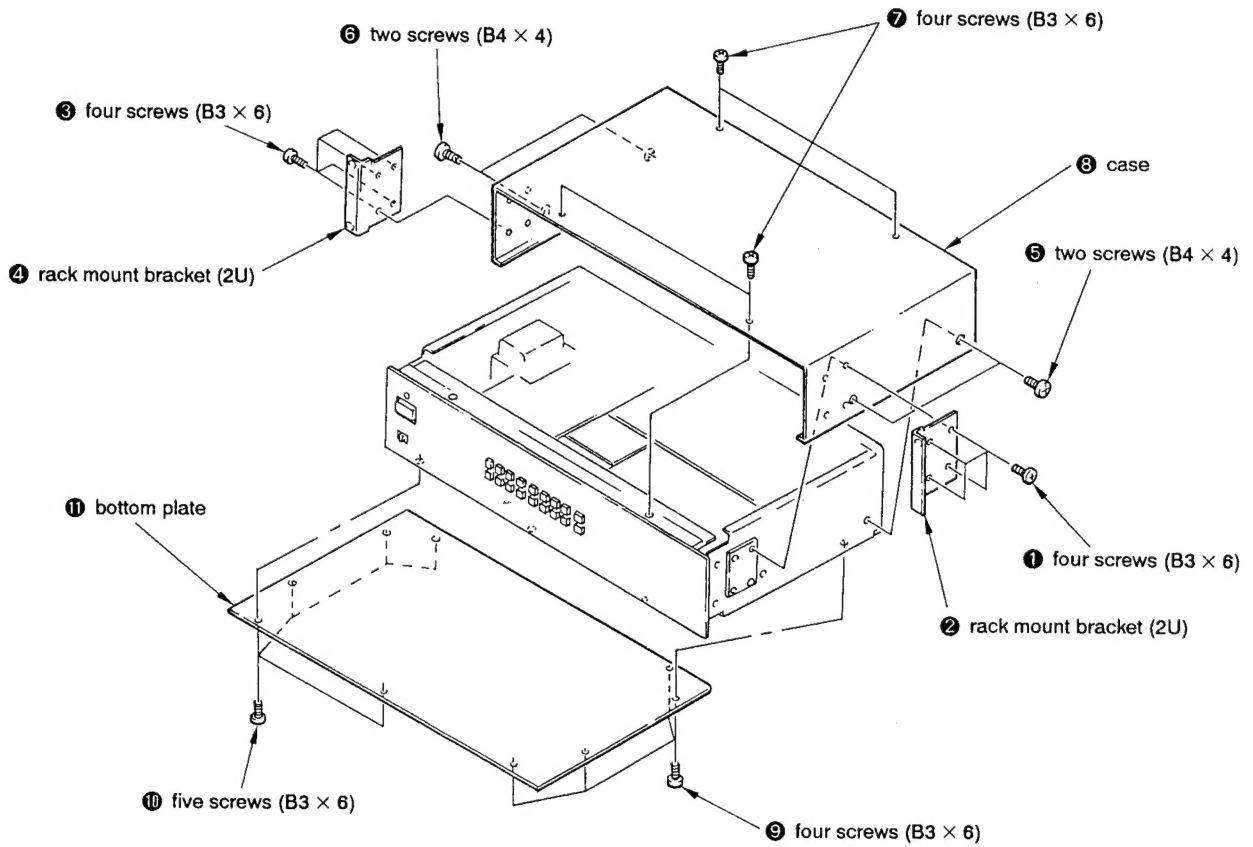


Switcher A REMOTE Port			Switcher B REMOTE Port	
Pin Name	Pin No.		Pin No.	Pin Name
CASCADE 1	6	→	14	SELECT 1-1
CASCADE 2	12	→	8	SELECT 2-2
GND	7, 9	→	7, 19	GND

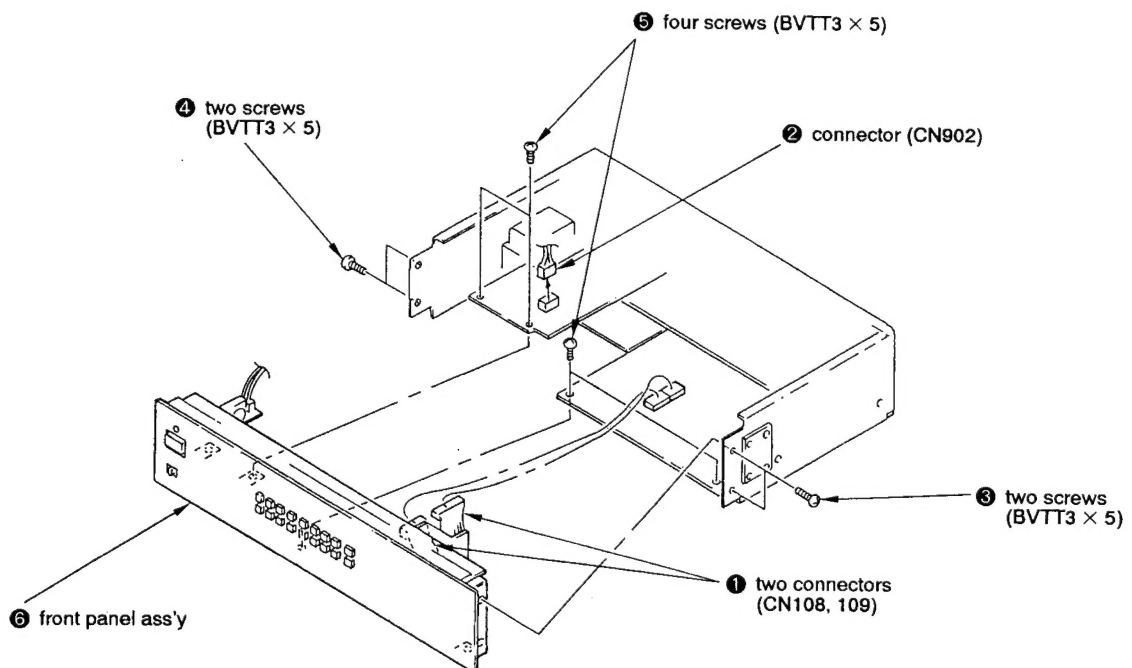
## SECTION 2 DISASSEMBLY

**Note:** Follow the disassembly procedure in the numerical order given.

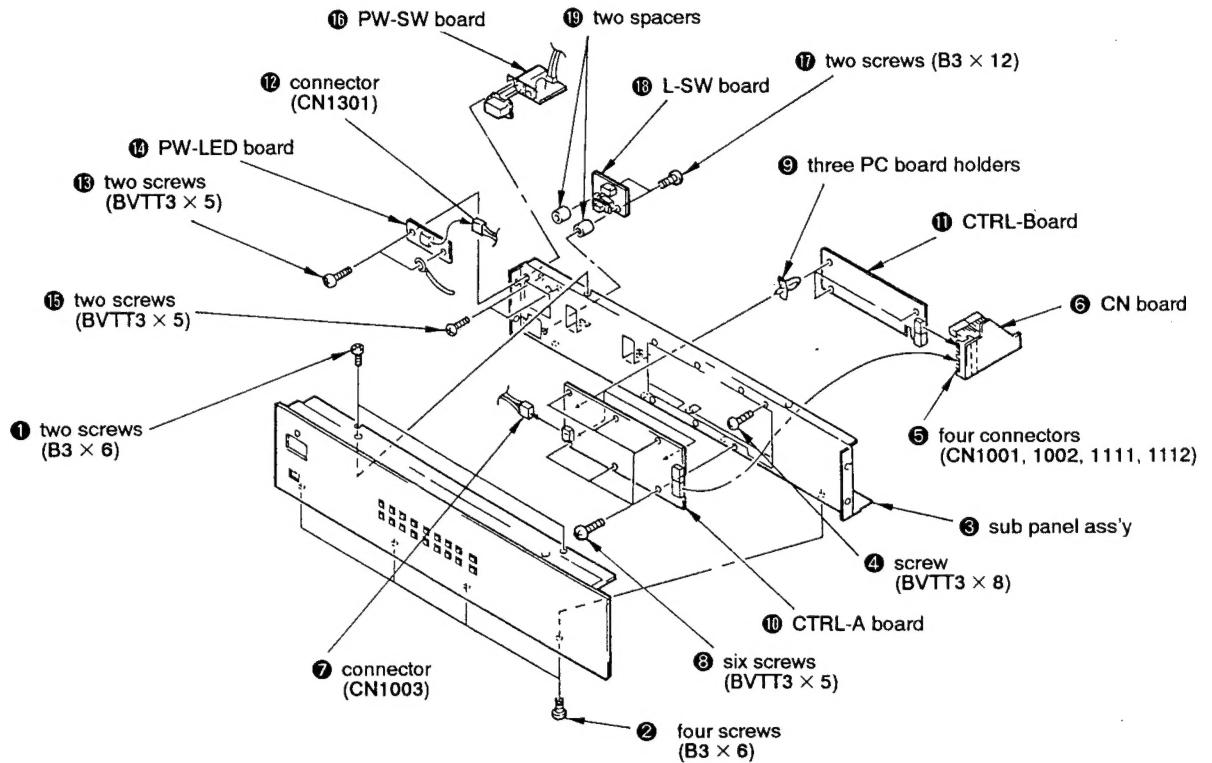
### CASE, BOTTOM PLATE



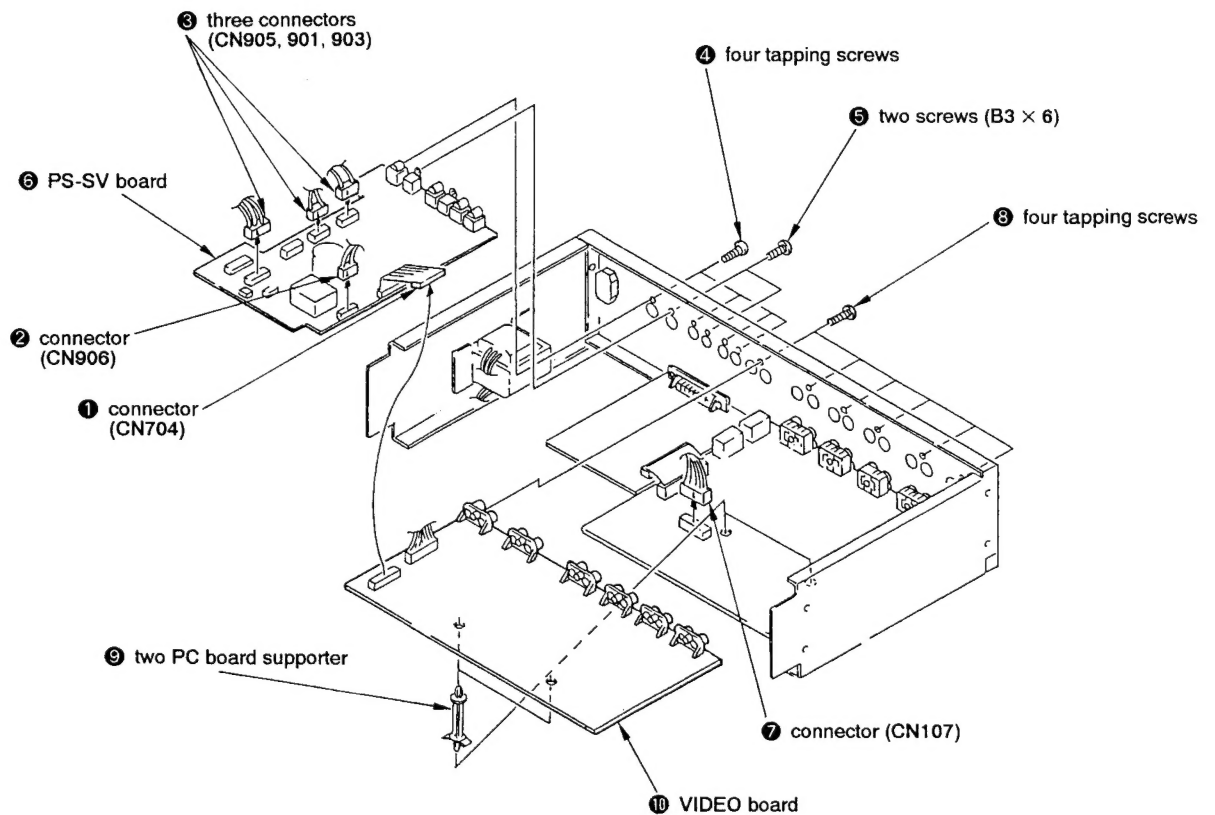
### FRONT PANEL ASS'Y



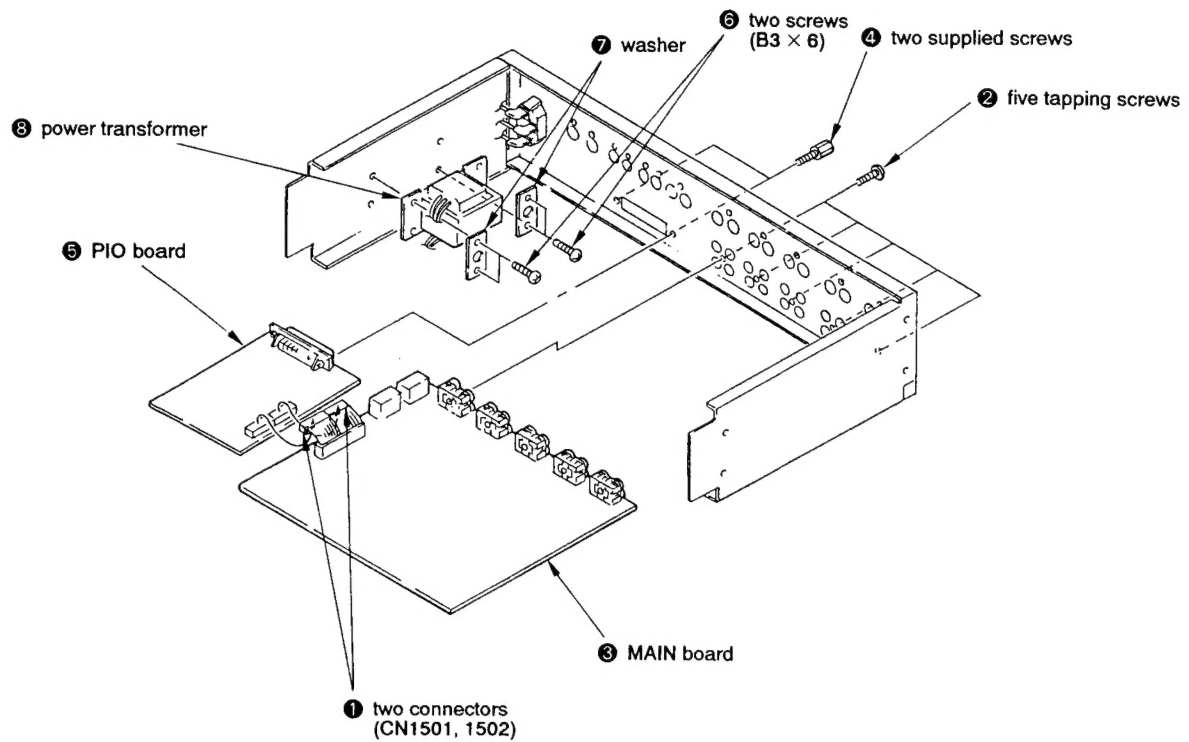
## CTRL-A/CTRL-B/L-SW/CN/PW-LED/PW-SW BOARDS



## PS-SV/VIDEO BOARDS

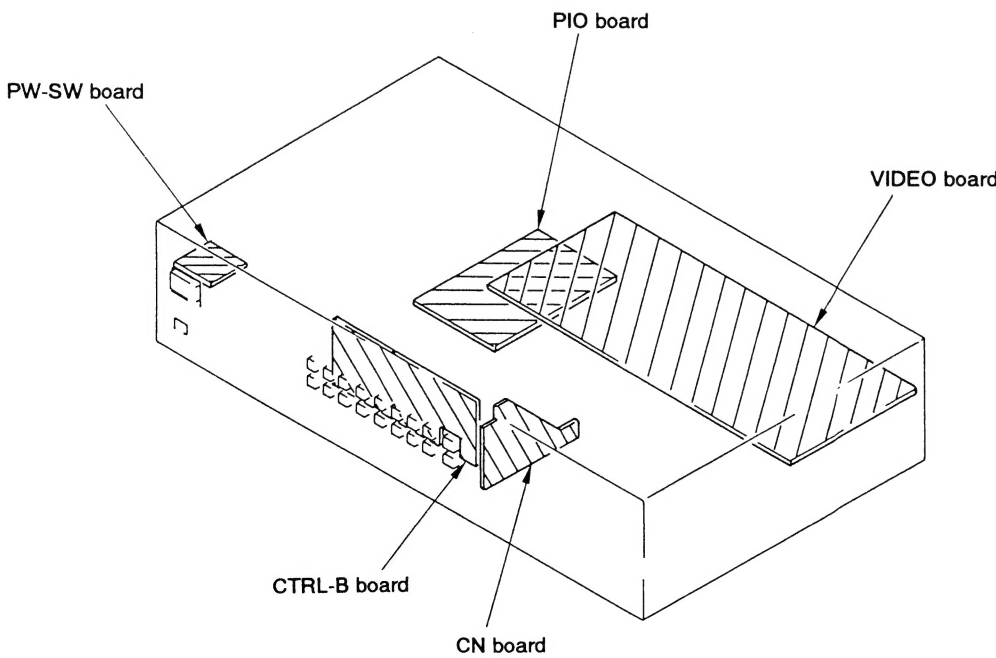
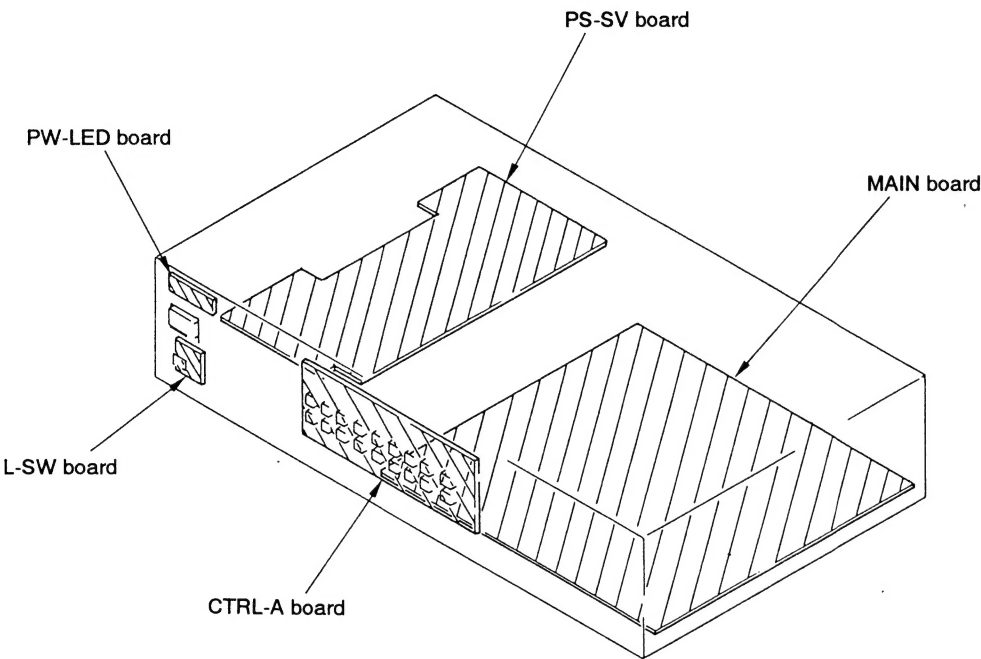


## MAIN/PIO BOARDS, POWER TRANSFORMER

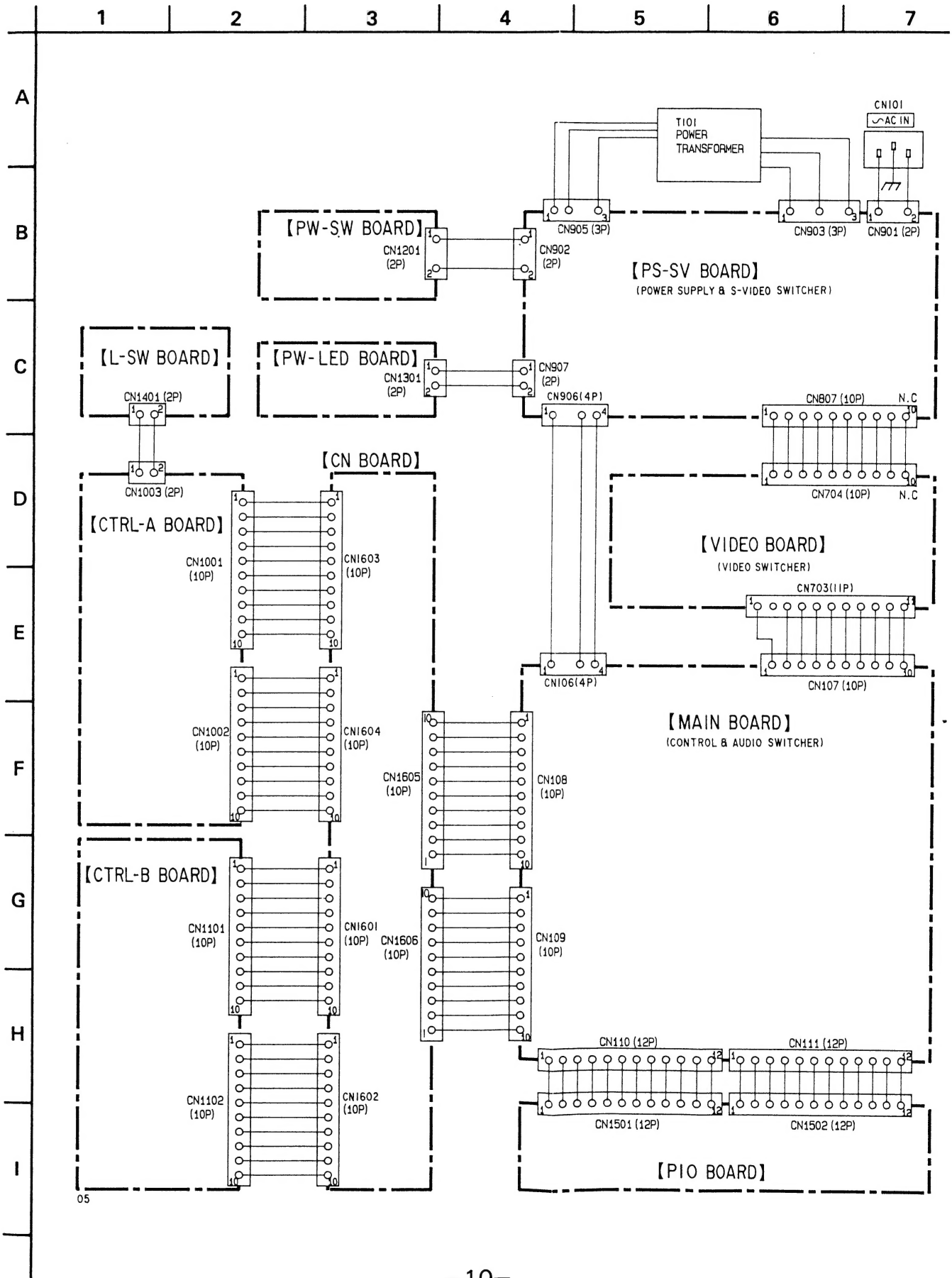


# SECTION 3 DIAGRAMS

## • Circuit Boards Location



## 3-1. FRAME SCHEMATIC DIAGRAM





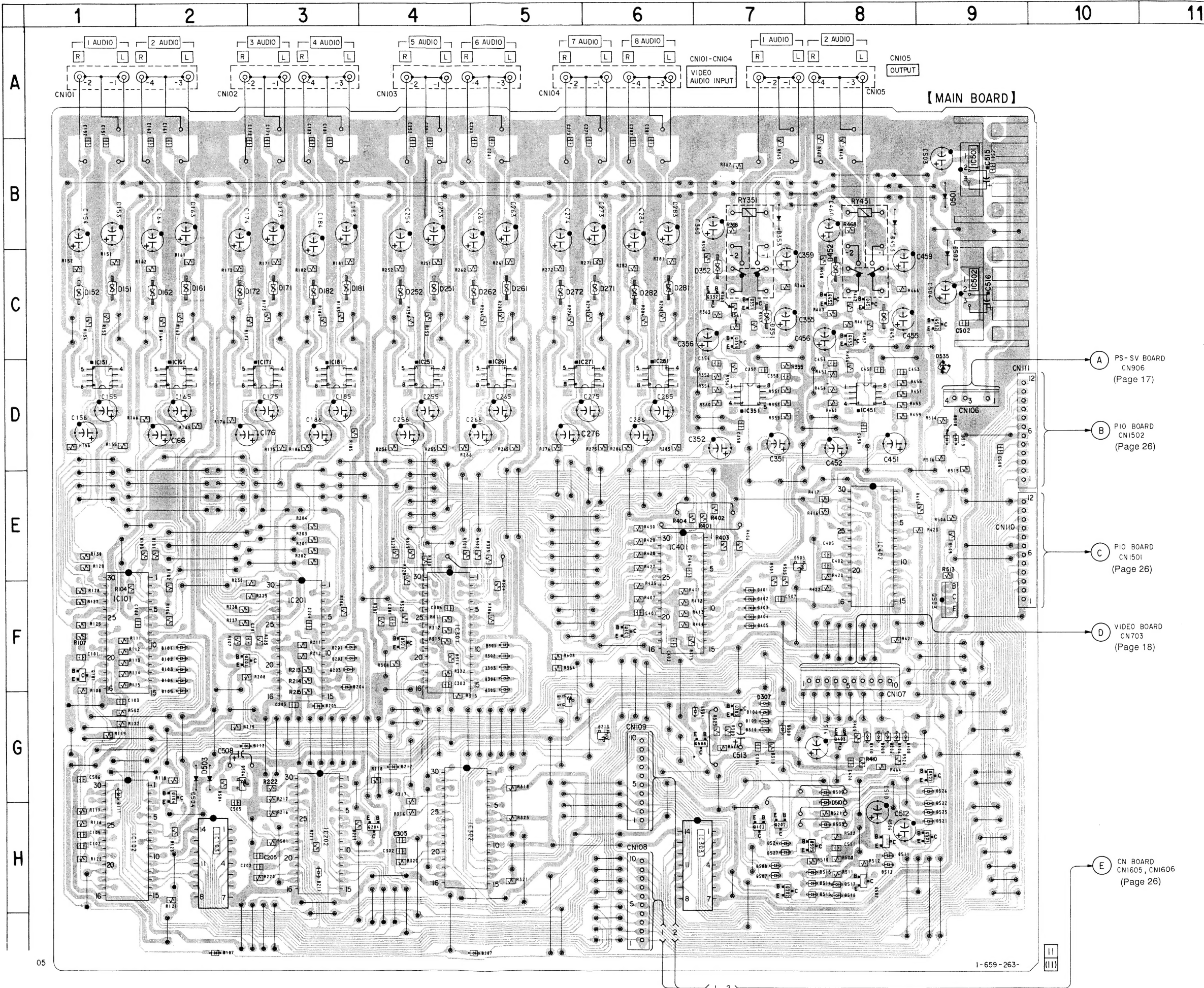
3-2. PRINTED WIRING BOARD — MAIN Board — • See page 9 for Circuit Boards Location.

• Semiconductor Location

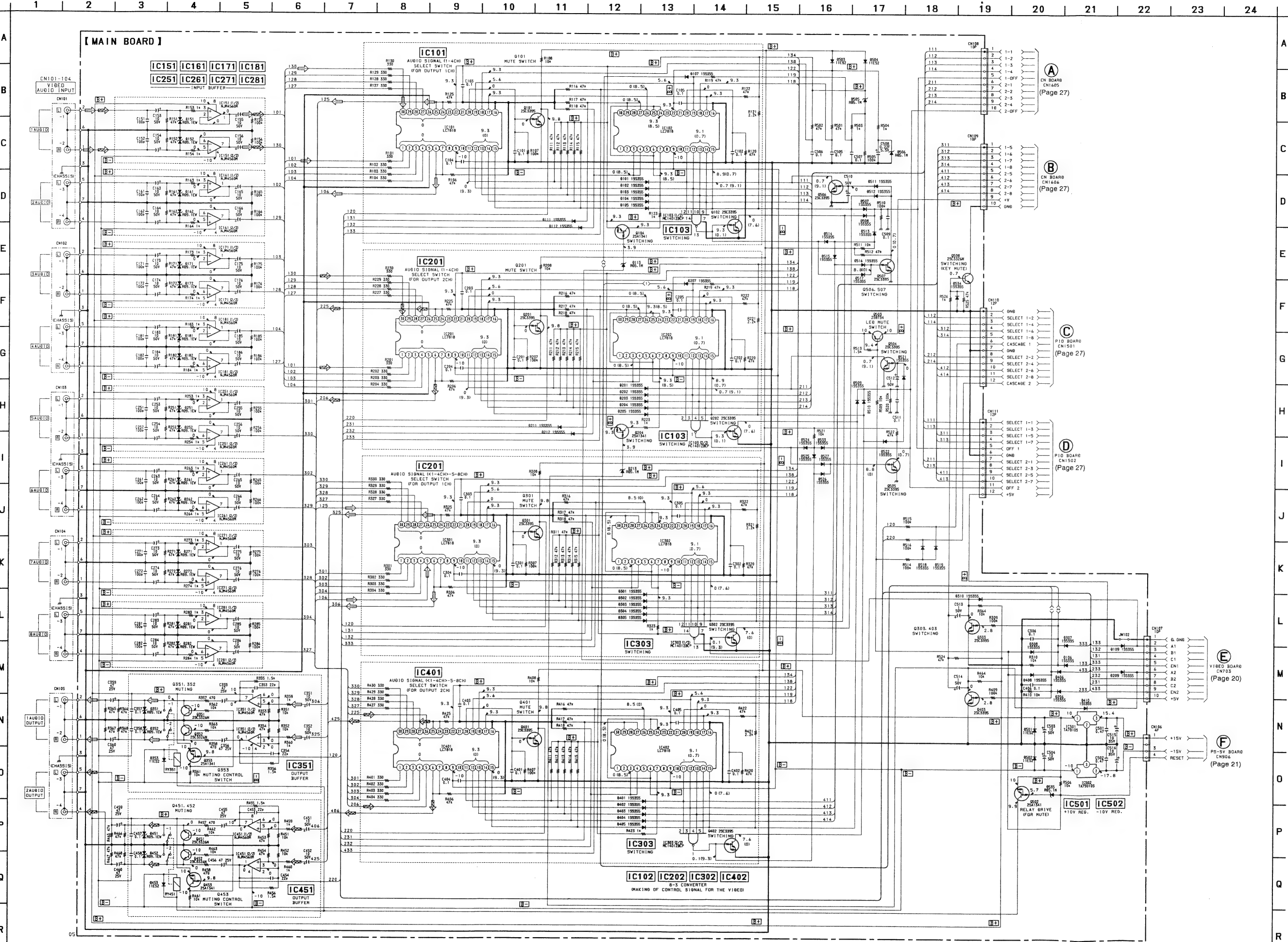
Ref. No.	Location	Ref. No.	Location
D101	F-2	D510	H-8
D102	F-2	D511	H-8
D103	F-2	D512	H-8
D104	F-2	D513	H-8
D105	G-2	D514	H-8
D106	G-7	D515	H-8
D107	I-2	D516	H-8
D109	G-7	D517	H-8
D111	H-1	D518	D-9
D112	G-3	D519	D-9
D113	G-5	D521	H-9
D151	C-1	D522	H-9
D152	C-1	D524	H-7
D161	C-2	D525	H-9
D162	C-2	D526	G-9
D171	C-3	D527	H-7
D172	C-3	D533	H-8
D181	C-3	D534	G-7
D182	C-3	D535	D-9
D201	F-3		
D202	F-3	IC101	F-1
D203	F-3	IC102	H-1
D204	G-3	IC103	H-2
D205	G-3	IC151	D-1
D206	G-8	IC161	D-2
D207	I-5	IC171	D-3
D209	G-8	IC181	D-3
D211	H-3	IC201	F-3
D212	G-4	IC202	H-3
D213	G-6	IC251	D-4
D251	C-4	IC261	D-5
D252	C-4	IC271	D-6
D261	C-5	IC281	D-6
D262	C-5	IC301	F-4
D271	C-6	IC302	H-4
D272	C-5	IC303	H-7
D281	C-6	IC351	D-7
D282	C-6	IC401	E-6
D301	F-5	IC402	E-8
D302	F-5	IC451	D-8
D303	F-5	IC501	B-9
D304	F-5	IC502	C-9
D305	G-5		
D307	G-7	Q101	F-1
D308	G-7	Q102	H-7
D310	G-7	Q104	H-2
D351	C-7	Q201	F-2
D352	C-7	Q202	H-7
D353	B-7	Q204	H-4
D401	F-7	Q301	F-4
D402	F-7	Q302	H-7
D403	F-7	Q303	G-7
D404	F-7	Q351	C-7
D405	F-7	Q352	C-7
D406	G-8	Q353	C-7
D408	G-8	Q401	F-6
D410	G-8	Q402	G-9
D451	C-8	Q403	G-8
D452	C-8	Q451	C-8
D453	B-8	Q452	C-8
D501	B-9	Q453	C-8
D502	C-9	Q502	C-9
D503	G-2	Q503	F-9
D504	G-2	Q504	H-9
D505	E-7	Q505	H-8
D506	G-2	Q506	H-8
D507	H-7	Q507	H-8
D508	H-7	Q508	G-7
D509	G-8		

Note on Printed Wiring Board:

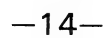
- : parts extracted from the component side.
- : parts mounted on the conductor side.
- : Pattern from the side which enables seeing.



3-3. SCHEMATIC DIAGRAM - MAIN Board -







The pin diagram shows the 8255 PPI with pins numbered 1 through 30. The top row of pins (16-30) is connected to VCC, and the bottom row (1-15) is connected to GND. A MUTE CONTROL TIMER is connected to pins 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30. A F.F. (Flip-Flop) is connected to pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 16. A LEVEL SHIFT is connected to pins 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, and 30. The I/O CONTROL is connected to pins 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, and 16.

-15-

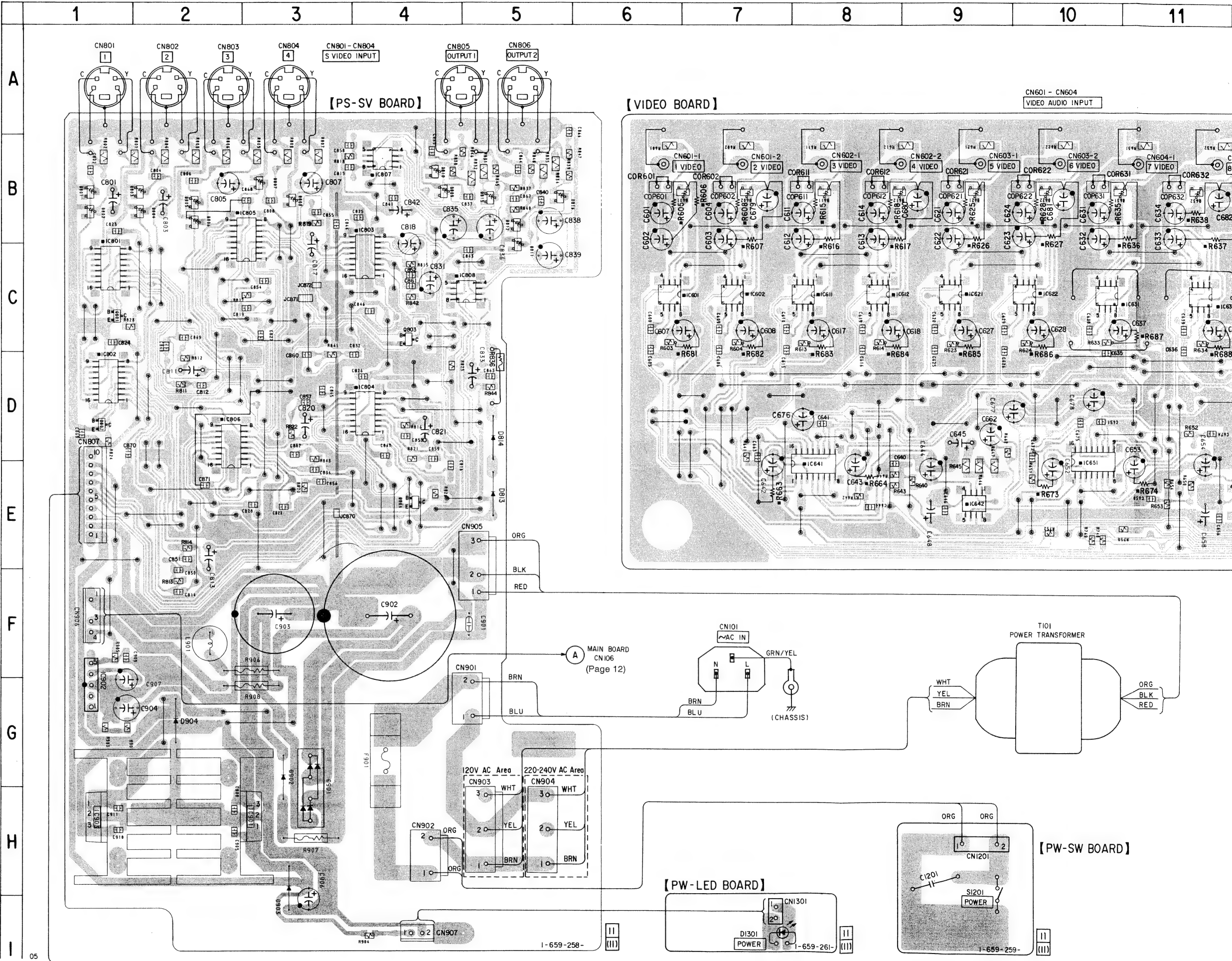


• Semiconductor Location

Ref. No.	Location	Ref. No.	Location
D601	B-6	IC601	C-7
D602	B-7	IC602	C-7
D611	B-8	IC611	C-8
D612	B-8	IC612	C-8
D621	B-9	IC621	C-9
D622	B-10	IC622	C-10
D631	B-10	IC631	C-11
D632	B-11	IC632	C-11
D641	B-13	IC641	E-8
D651	B-13	IC642	E-9
D701	C-15	IC651	E-10
D702	C-14	IC652	E-12
D703	C-15	IC701	B-15
D704	C-14	IC702	D-14
D705	C-15	IC703	E-14
D706	D-15	IC704	C-14
D707	D-15	IC801	C-1
D708	B-15	IC802	D-1
D801	B-1	IC803	B-4
D802	B-1	IC804	D-4
D803	B-1	IC805	B-2
D804	B-2	IC806	D-2
D805	B-2	IC807	B-4
D806	B-2	IC808	C-5
D807	B-3	IC901	H-3
D808	B-3	IC902	G-1
D809	B-4	IC903	H-1
D810	B-4		
D811	C-5	Q701	C-15
D812	B-5	Q702	C-15
D813	E-5	Q703	C-14
D814	D-5	Q704	C-15
D815	B-5	Q705	D-13
D816	B-5	Q706	D-13
D901	H-3	Q707	D-13
D902	H-3	Q708	D-13
D903	I-3	Q801	C-1
D904	G-2	Q802	D-1
D1301	I-7	Q803	C-4
		Q804	E-4

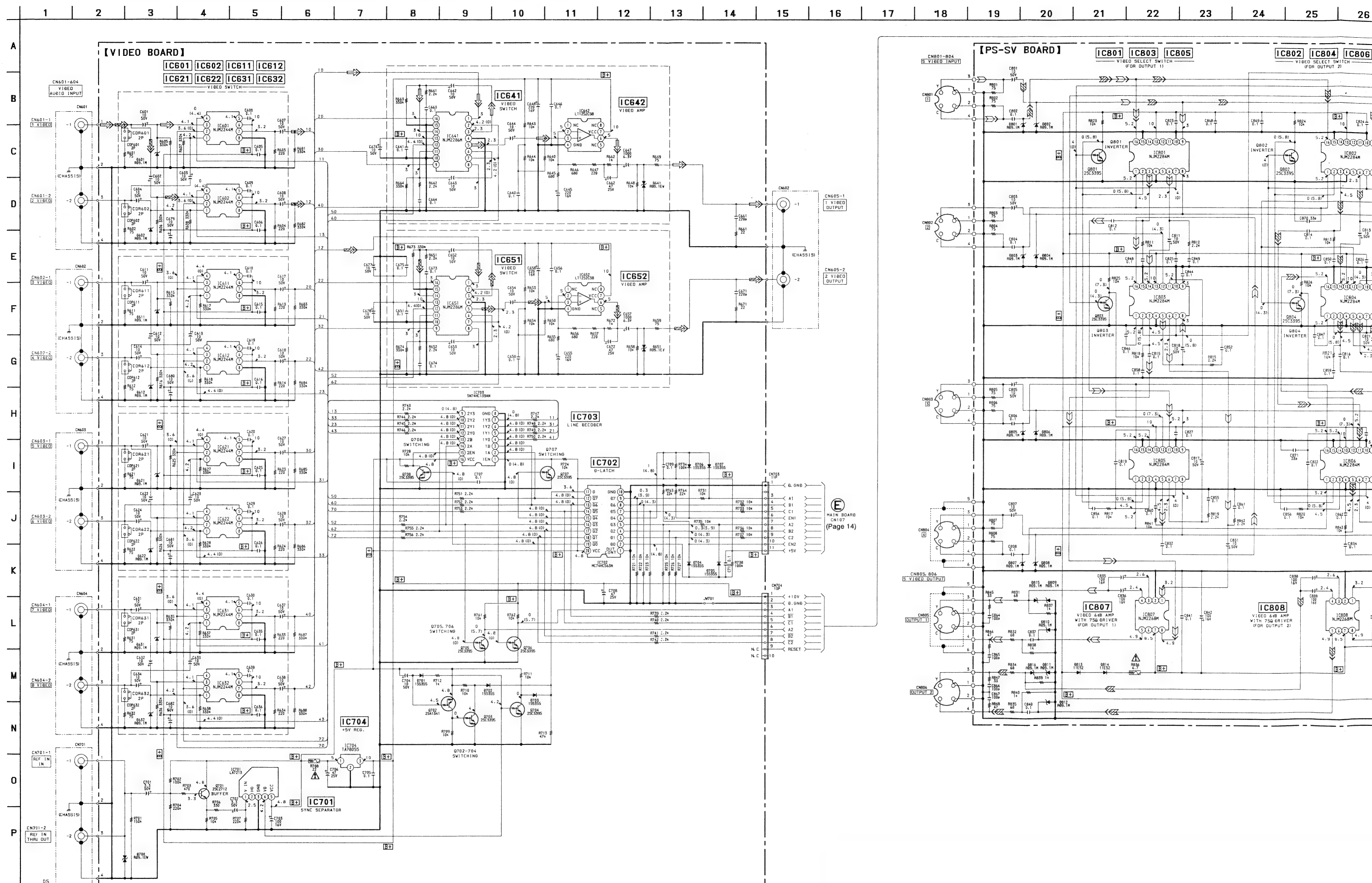
Note on Printed Wiring Board:

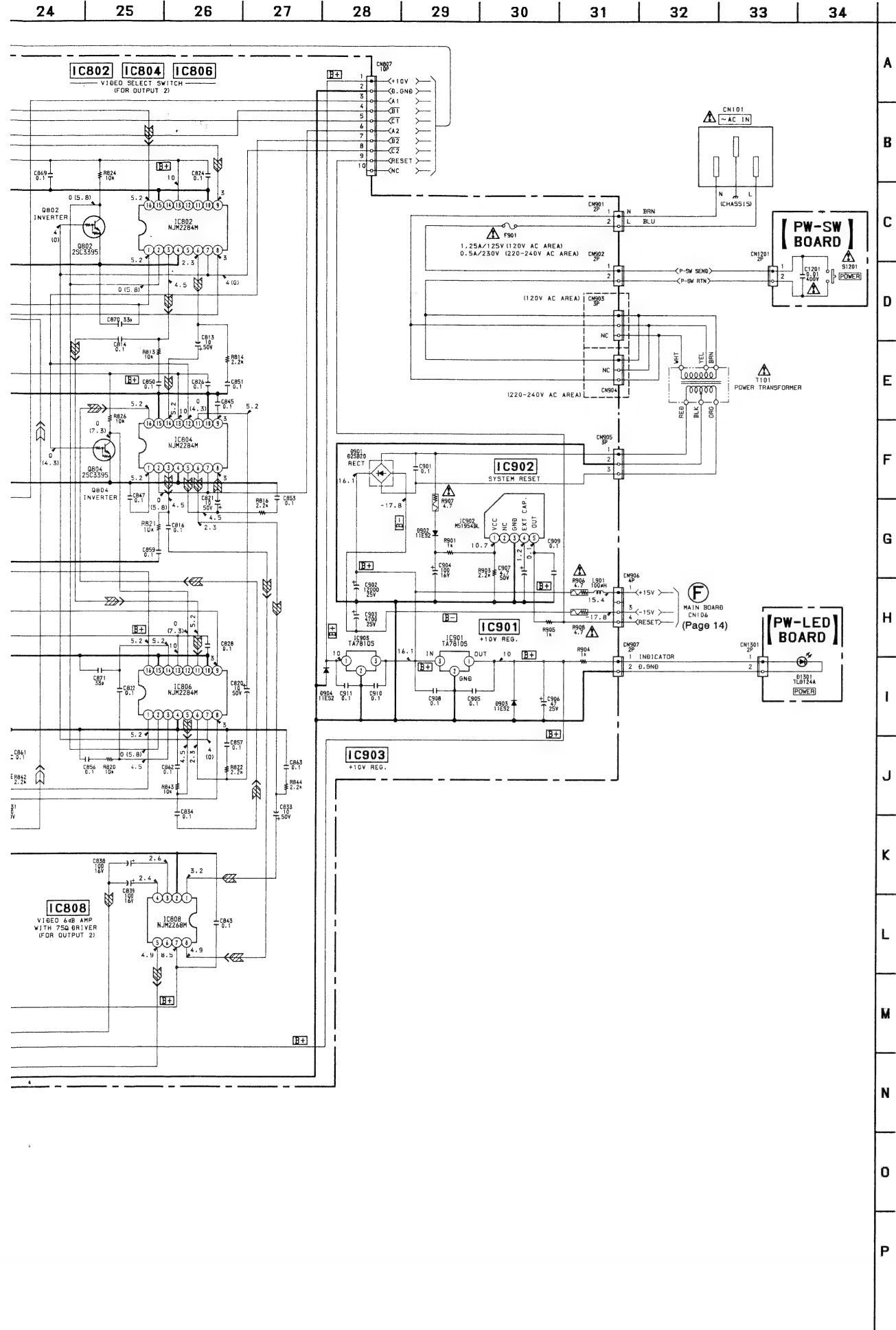
- : parts extracted from the component side.
- : parts mounted on the conductor side.
- ▨ : Pattern from the side which enables seeing.











**[Video System (Composite Video) Control Signals]**

As for the channel control signals of the VIDEO board, the signals converted into the "8-3" form by the IC102, 202, 302, and 402 (all are of LC7818) on the MAIN board are sent to the 3-state D latch of IC702 on the VIDEO board to switch over the channels by controlling each video switch IC on the VIDEO board. Here described is the signal definition of input signals (A, B, C, and EN) to the IC702 (MC74HC563) on the VIDEO board. (CN703, 704)

INPUT select channel (OUTPUT 1 & 2 are common)	Video system control signals			
	A (A1, A2)	B (B1, B2)	C (C1, C2)	EN (EN1, EN2)
1	L	L	L	H
2	L	L	H	H
3	L	H	L	H
4	L	H	H	H
5	H	L	L	L
6	H	L	H	L
7	H	H	L	L
8	H	H	H	L
OFF	H	L	L	H

**Note on Schematic Diagram:**

- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4} \text{ W}$  or less unless otherwise specified.
- : fusible resistor.
- : panel designation.

**Note:** The components identified by mark or dotted line with mark are critical for safety. Replace only with part number specified.

- : B + Line.
- : B - Line.
- Voltages are dc with respect to ground under no-signal conditions.  
no mark : When pressing the OUTPUT 1 and 2 switches for the INPUT 1 on the front panel.  
( ) : Other than above.
- Voltages are taken with a VOM (Input impedance 10  $\text{M}\Omega$ ).  
Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - : 1 IN  $\rightarrow$  1 OUT (Composite VIDEO signal)
  - : 1 IN  $\rightarrow$  2 OUT (Composite VIDEO signal)
  - : 1 IN  $\rightarrow$  1 OUT (Y signal)
  - : 1 IN  $\rightarrow$  1 OUT (CHROMA signal)
  - : 1 IN  $\rightarrow$  2 OUT (Y signal)
  - : 1 IN  $\rightarrow$  2 OUT (CHROMA signal)

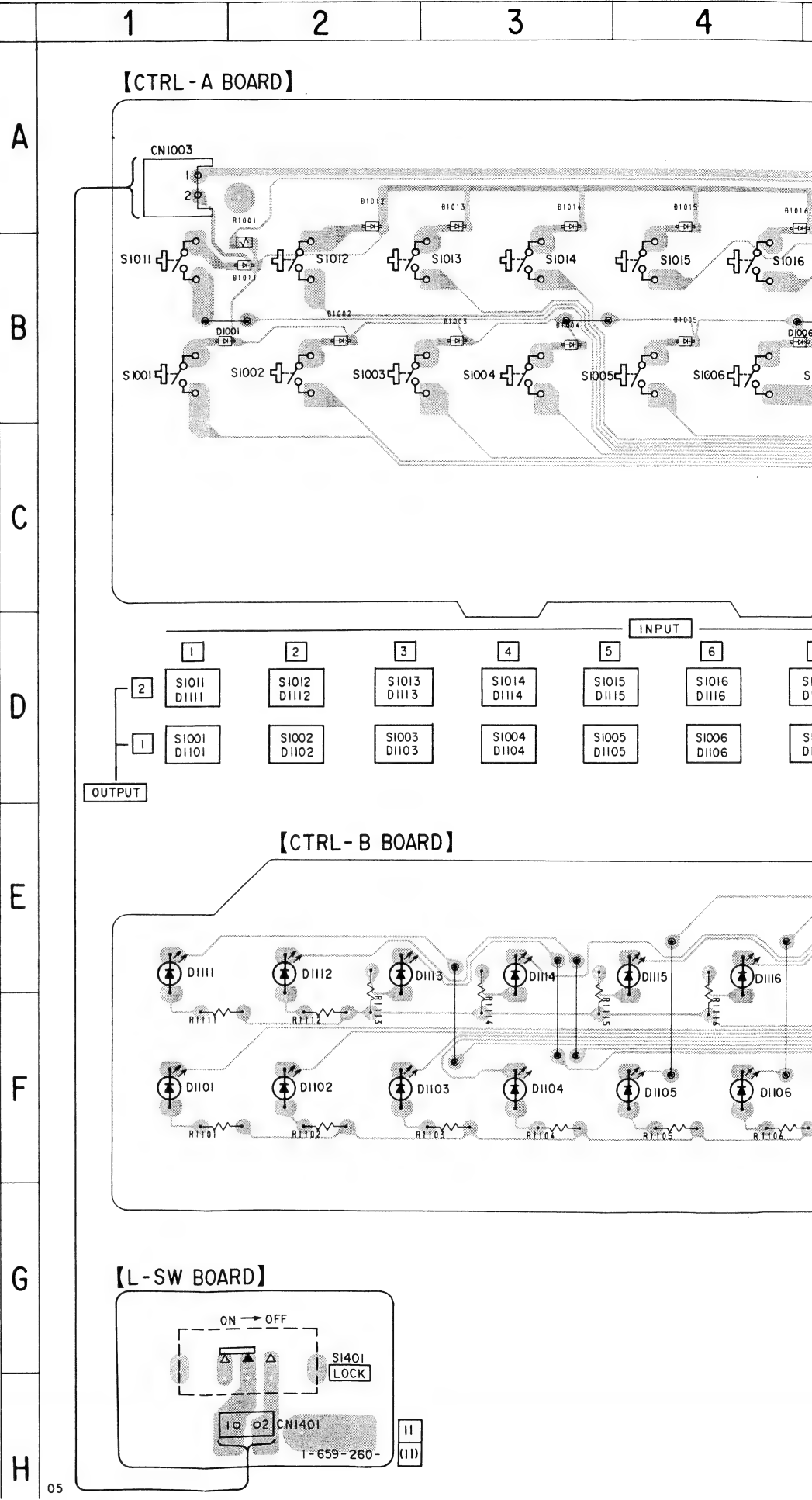


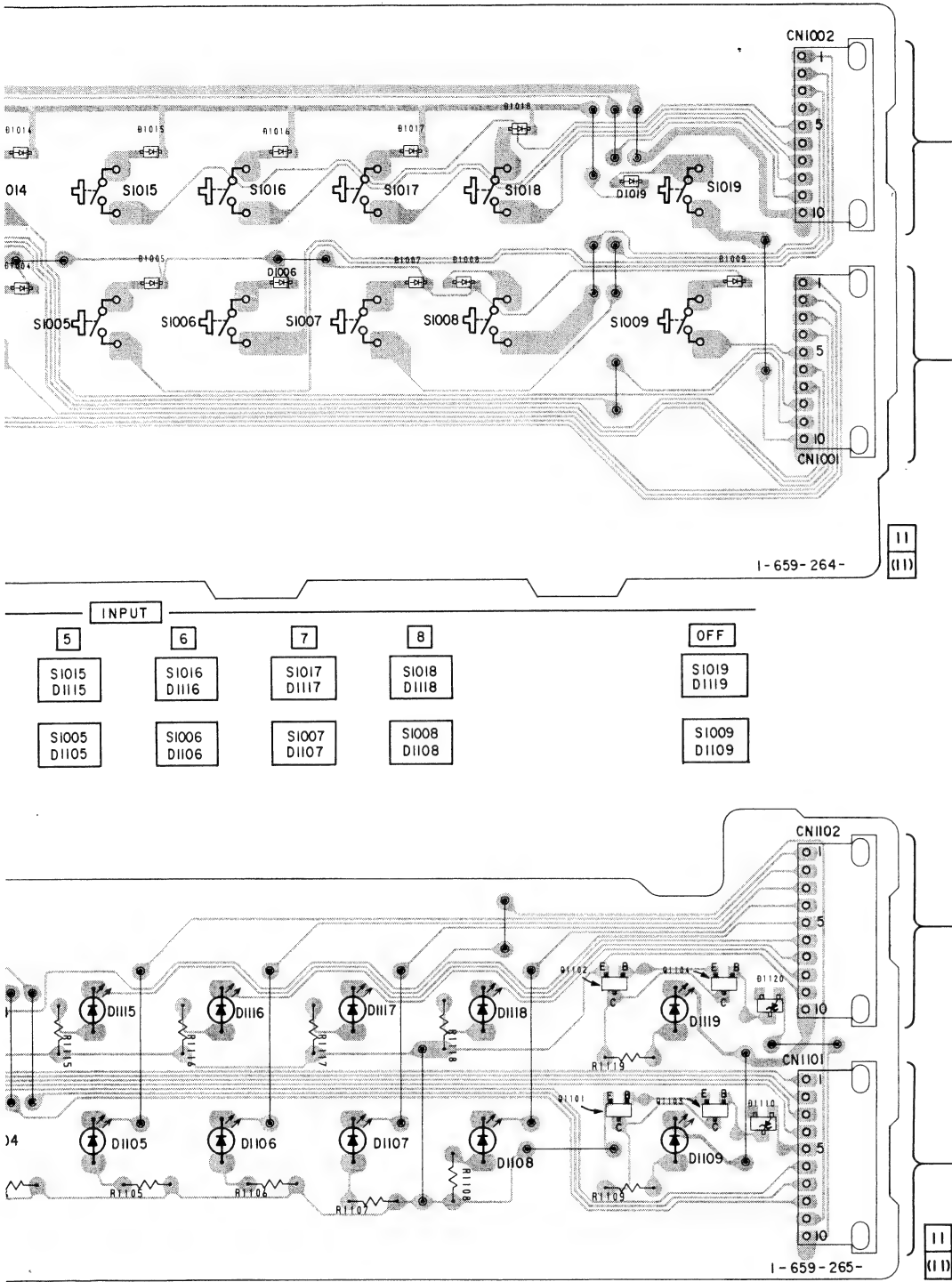
3-6. PRINTED WIRING BOARDS – CTRL-A/CTRL-B/L-SW/CN/PIO Boards –  
• See page 9 for Circuit Boards Location.

• Semiconductor Location

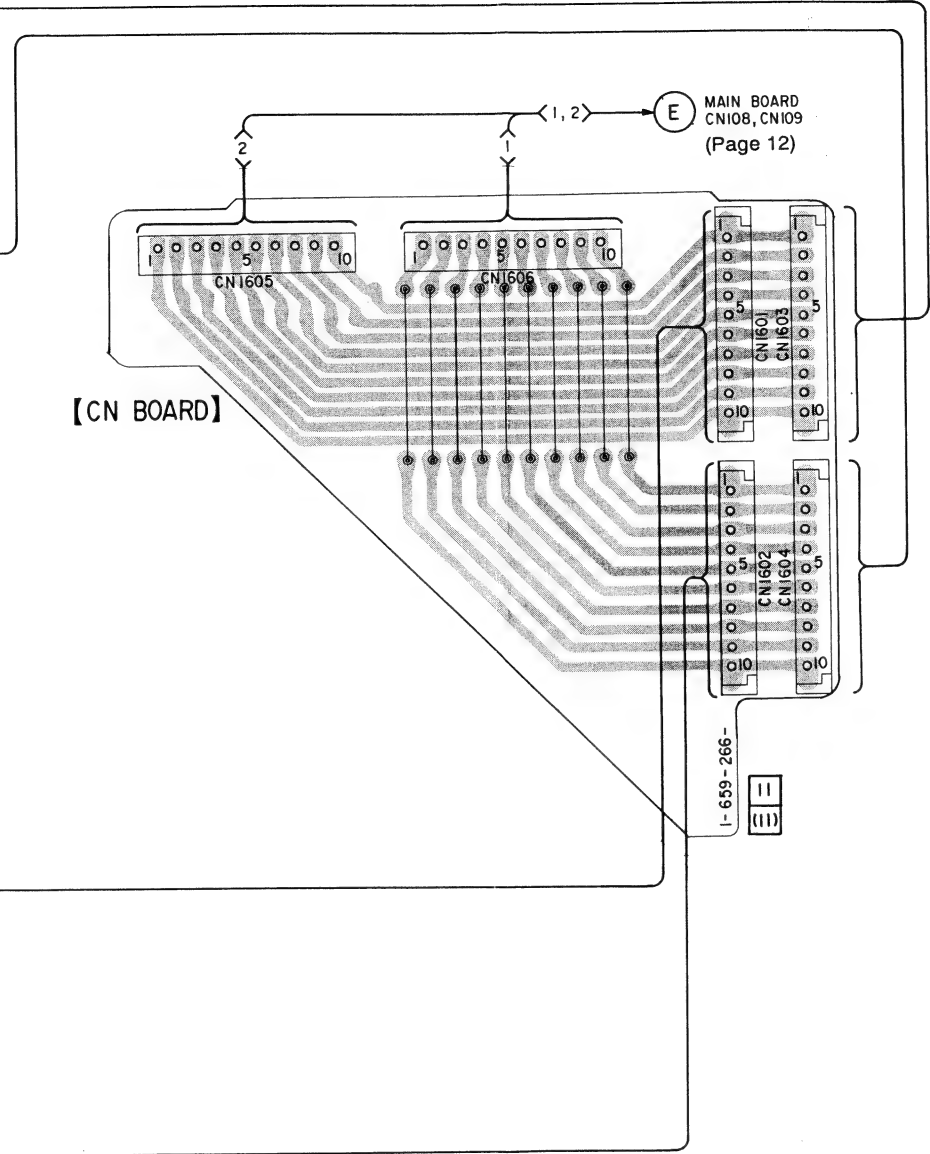
Ref. No.	Location	Ref. No.	Location
D1001	B-1	Q1501	B-14
D1002	B-2	Q1502	B-14
D1003	B-3	Q1503	C-14
D1004	B-3	Q1504	C-14
D1005	B-4	Q1505	C-14
D1006	B-4	Q1506	C-14
D1007	B-5	Q1507	D-14
D1008	B-5	Q1508	D-14
D1009	B-7	Q1521	D-14
D1011	B-2	Q1522	D-14
D1012	A-2	Q1523	C-14
D1013	A-3	Q1524	C-14
D1014	A-3	Q1525	C-14
D1015	A-4	Q1526	C-14
D1016	A-4	Q1527	B-14
D1017	A-5	Q1528	B-14
D1018	A-6	Q1541	D-13
D1019	B-6	Q1542	D-13
D1101	F-1	Q1543	C-13
D1102	F-2	Q1544	C-13
D1103	F-2	Q1545	C-13
D1104	F-3	Q1546	C-13
D1105	F-4	Q1547	B-13
D1106	F-4	Q1548	B-13
D1107	F-5	Q1561	D-12
D1108	F-5	Q1562	D-12
D1109	F-6	Q1563	C-12
D1110	F-7	Q1564	C-12
D1111	E-1	Q1565	B-12
D1112	E-2	Q1566	C-12
D1113	E-2	Q1567	B-12
D1114	E-3	Q1568	B-12
D1115	E-4	Q1581	D-14
D1116	E-4	Q1582	E-14
D1117	E-5	Q1583	E-15
D1118	F-5	Q1584	E-14
D1119	E-6	Q1585	E-14
D1120	E-7	Q1586	D-14
		Q1587	E-14
Q1101	F-6	Q1588	E-14
Q1102	E-6	Q1589	E-14
Q1103	F-6	Q1590	E-14
Q1104	E-6		

Note on Printed Wiring Board:  
• ○ : parts extracted from the component side.  
• ■ : Pattern from the side which enables seeing.

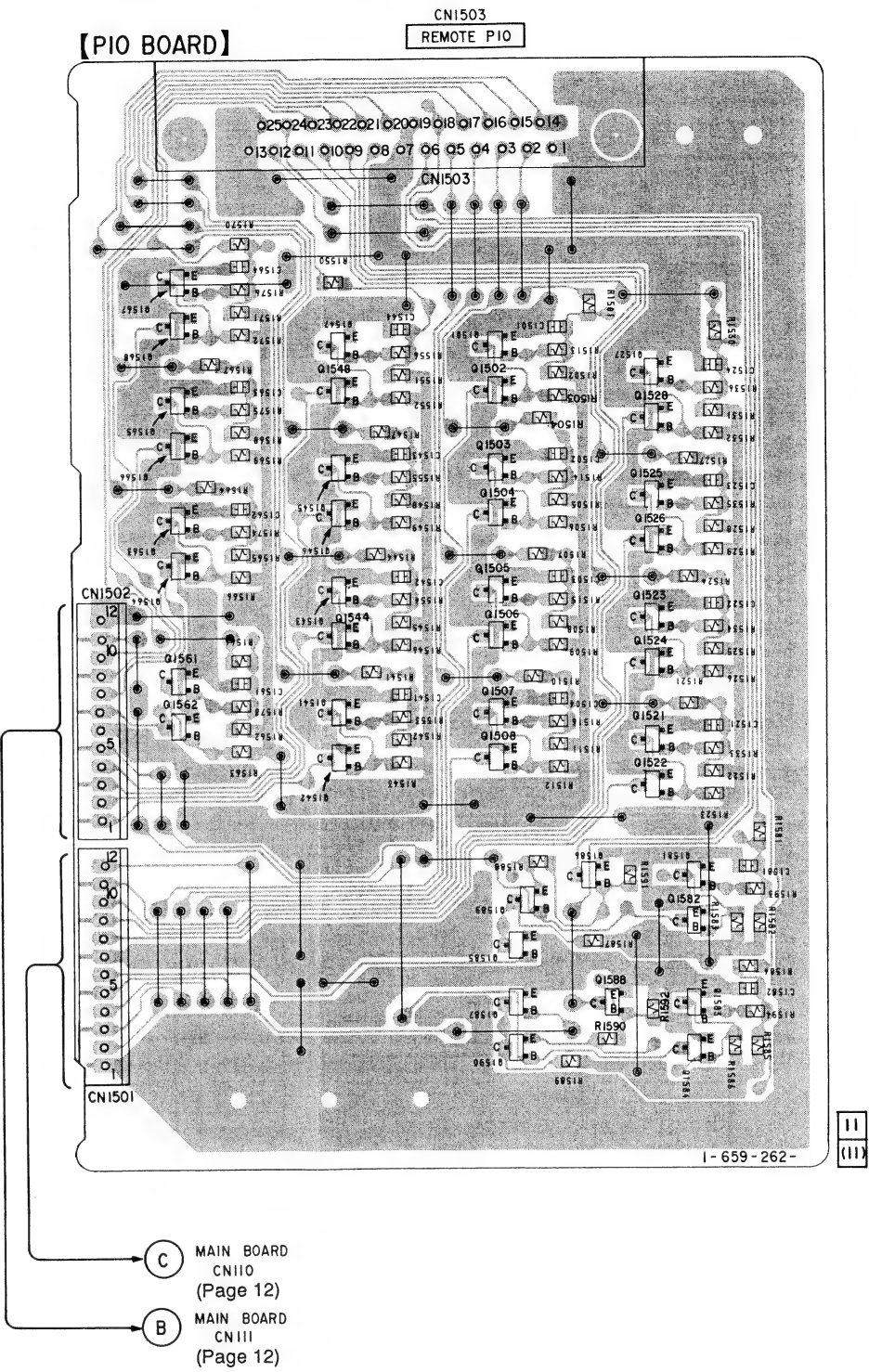




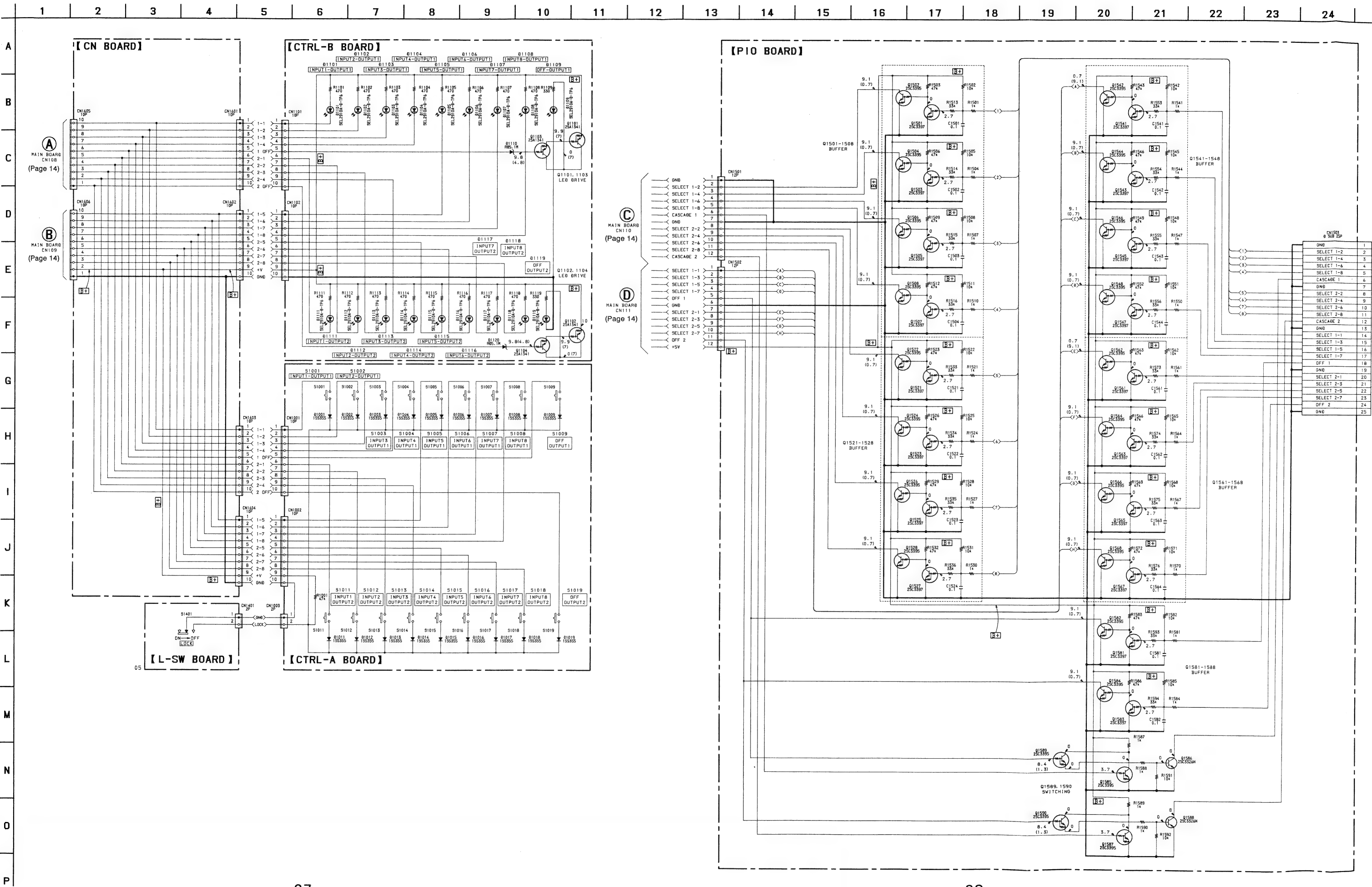
【CN BOARD】

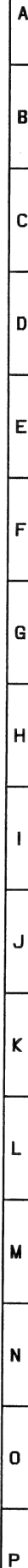


【PIO BOARD】



3-7. SCHEMATIC DIAGRAM - CTRL-A/CTRL-B/L-SW/CN/PIO Boards -





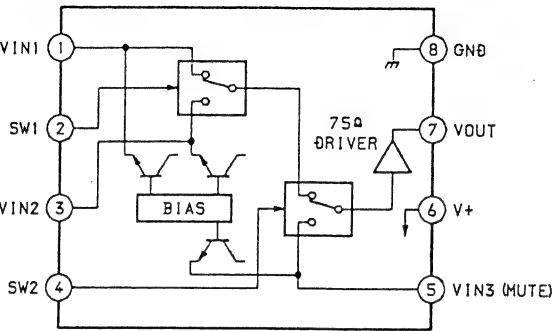
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.  $\text{pF}$ :  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in  $\Omega$  and  $\frac{1}{4}$  W or less unless otherwise specified.
- : panel designation.
- B + : B + Line.
- Voltages are dc with respect to ground under no-signal conditions.  
no mark : When pressing the OUTPUT 1 and 2 switches for the INPUT 1 on the front panel.  
(     ) : Other than above.
- Voltages are taken with a VOM (Input impedance 10 M $\Omega$ ).  
Voltage variations may be noted due to normal production tolerances.



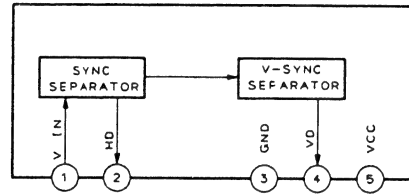
• IC Block Diagrams

— VIDEO Board —

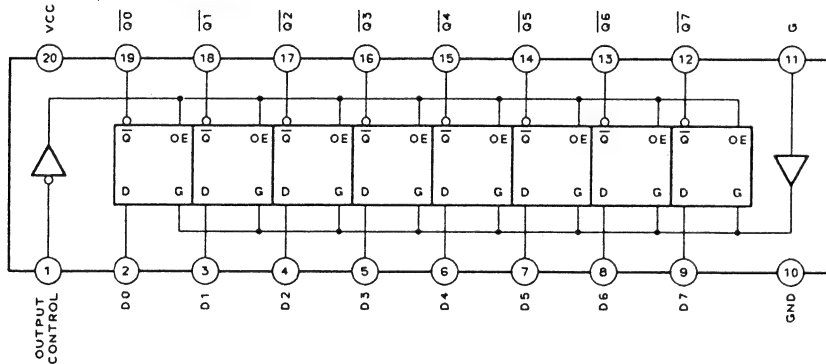
IC601, 602, 611, 612,  
IC621, 622, 631, 632 NJM2244M-TE2



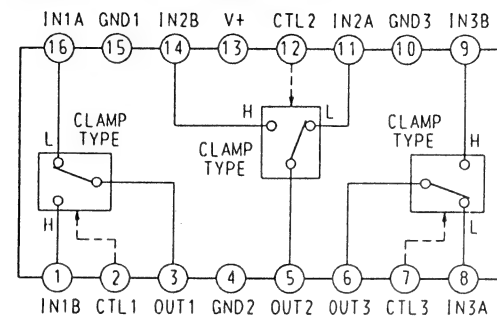
IC701 LA7213



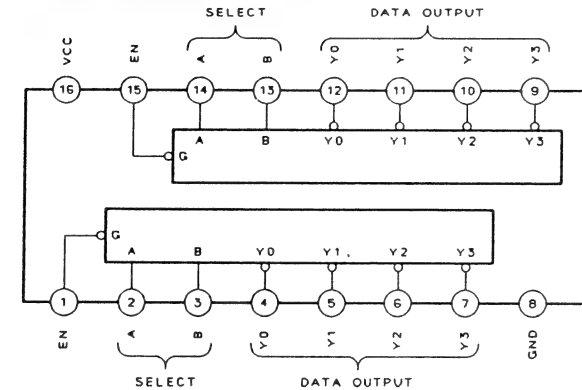
IC702 MC74HC563N



IC641, 651 NJM2286M-T1

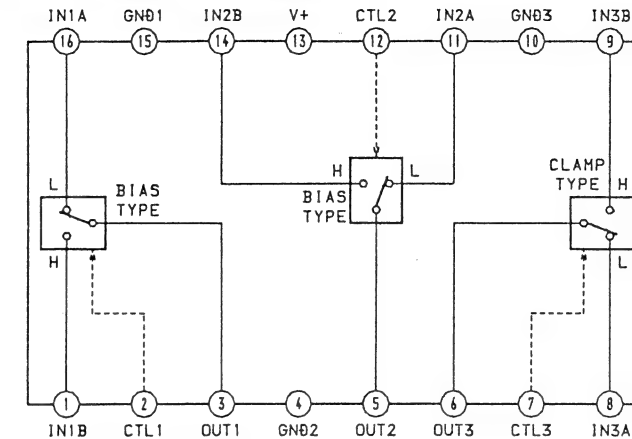


IC703 SN74HC139AN

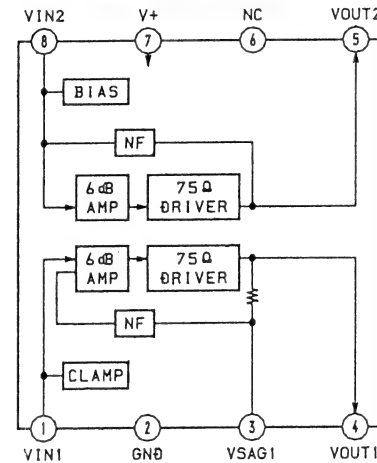


— PS-SV Board —

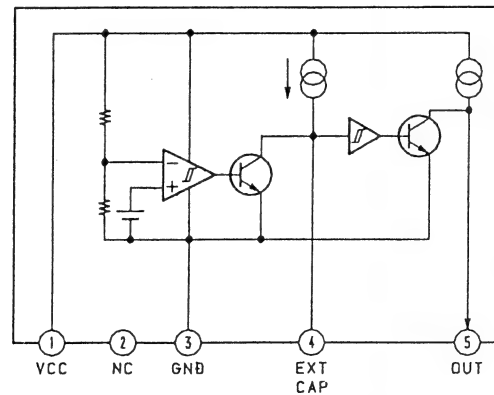
IC801 — 806 NJM2284M



IC807, 808 NJM2268M



IC902 M51954BL



NOTE:

- -XX and -YY may have one.
- Items marked with \* are sold in delay stock. These items are not in stock.

(1) CASE

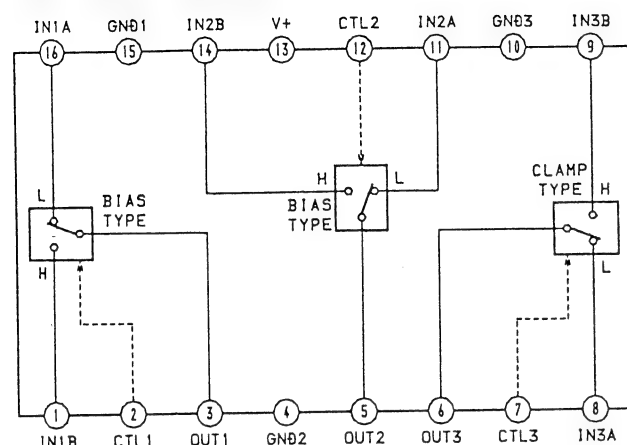


Ref. No.

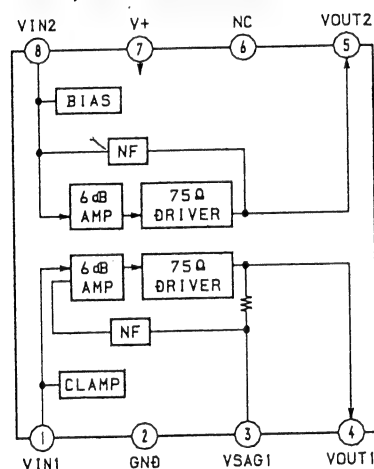
- |      |
|------|
| 1    |
| 2    |
| 3    |
| 4    |
| * 5  |
| 6    |
| * 7  |
| * 8  |
| * 9  |
| * 10 |

— PS-SV Board —

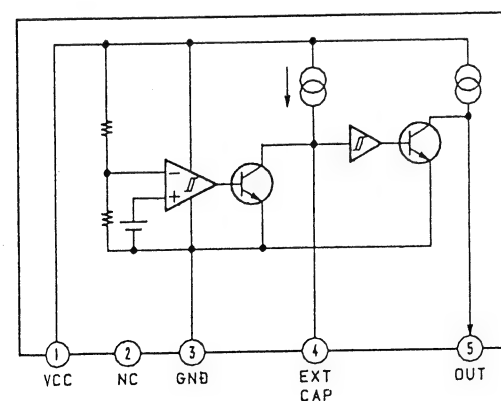
IC801 — 806 NJM2284M



IC807, 808 NJM2268M





IC902 M51954BL



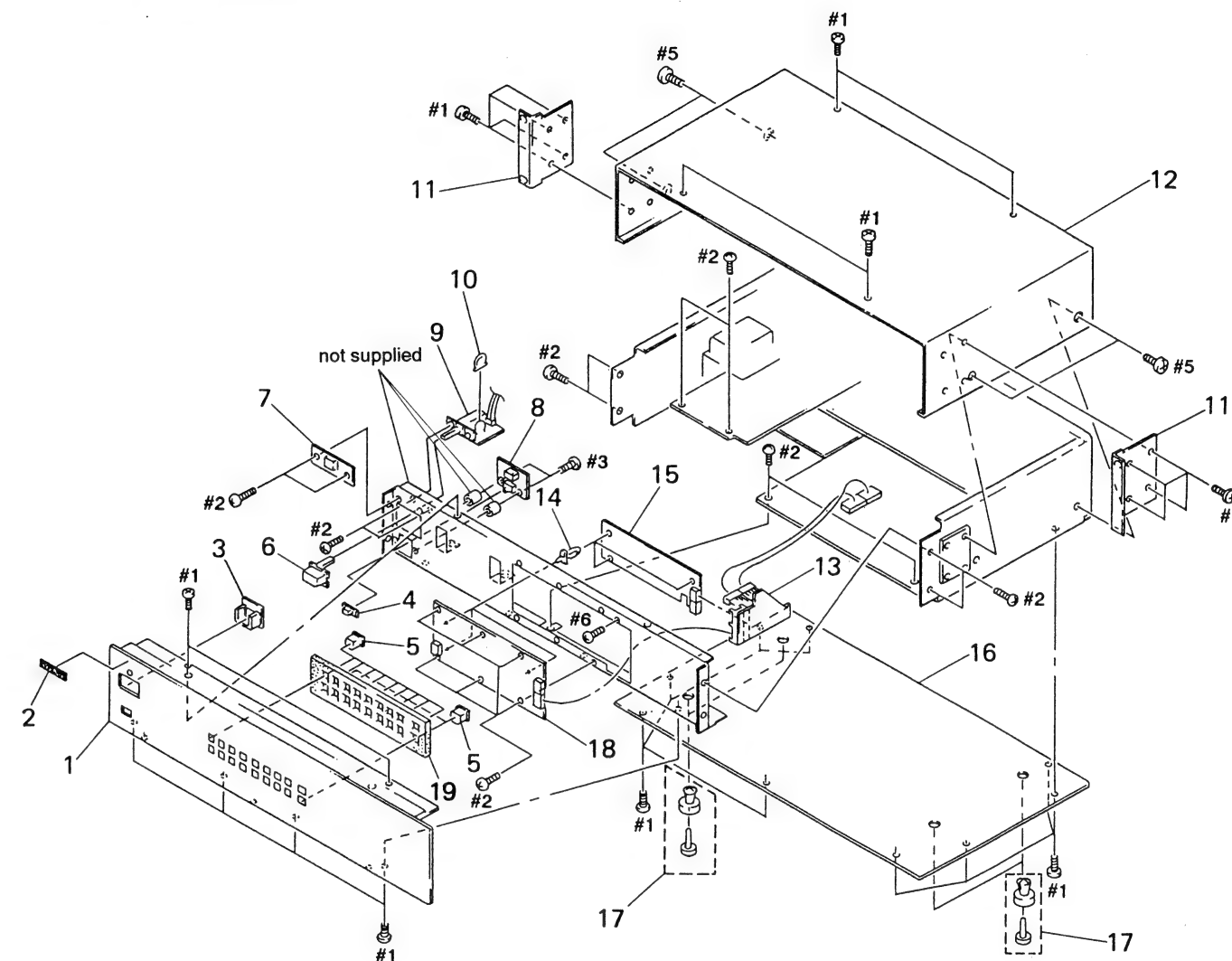
## SECTION 4 EXPLODED VIEWS

NOTE:

- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of the electrical parts list.

The components identified by mark  or dotted line with mark  are critical for safety. Replace only with part number specified.

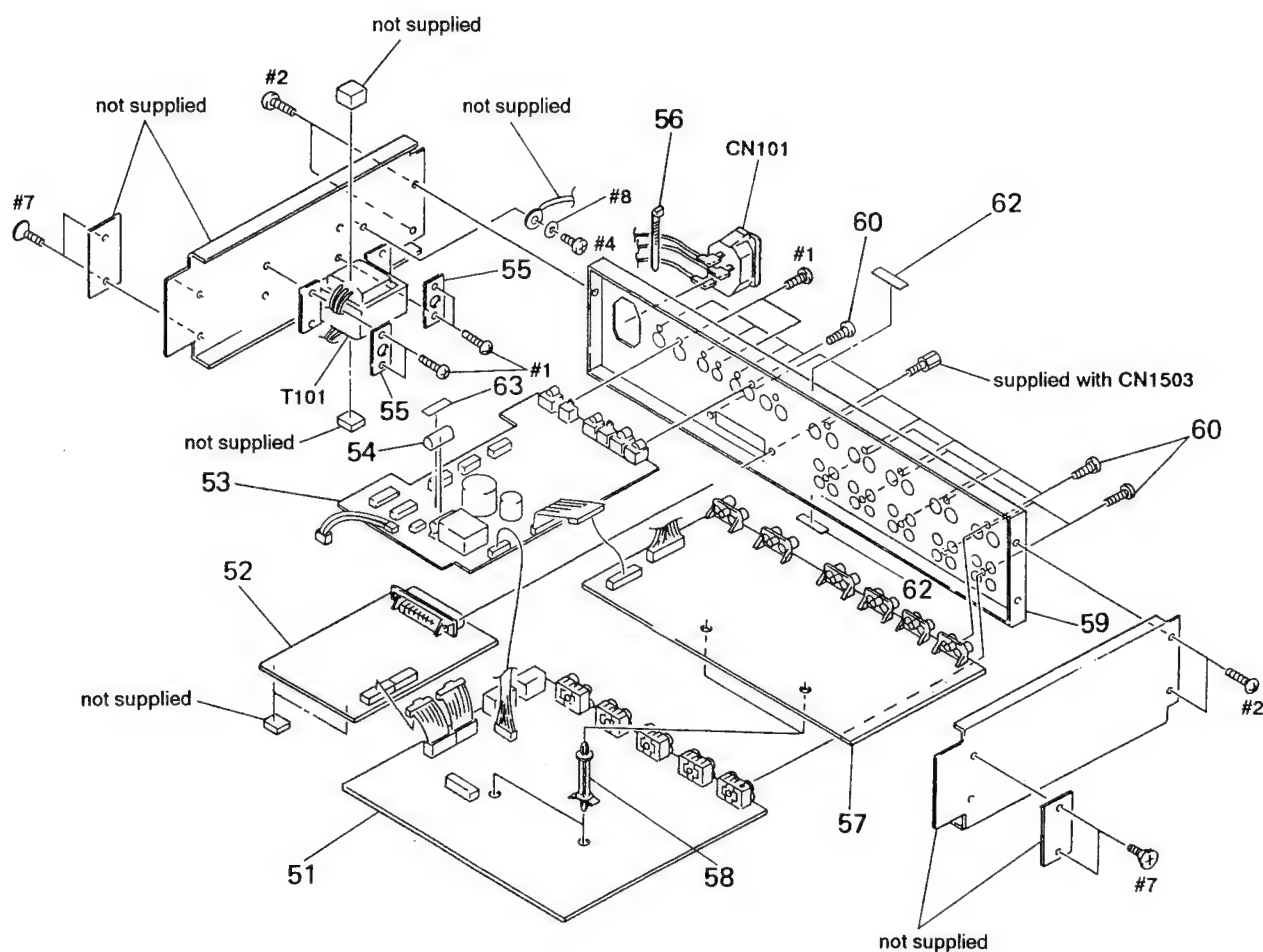
(1) CASE, FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remark
1	2-344-313-01	PANEL, FRONT	
2	4-942-568-01	EMBLEM (NO. 5), SONY	
3	2-335-846-01	ESCUTCHEON	
4	4-922-518-11	KNOB (TIMER)	
* 5	2-344-349-01	BUTTON	
6	2-335-924-01	BUTTON	
* 7	1-659-261-11	PW-LED BOARD	
* 8	1-659-260-11	L-SW BOARD	
* 9	1-659-259-11	PW-SW BOARD	
* 10	4-374-846-01	COVER, CAPACITOR, CAP TYPE	

Ref. No.	Part No.	Description	Remark
* 11	2-337-388-11	BRACKET (2U), RACK MOUNT	
* 12	2-337-395-02	CASE	
* 13	1-659-266-11	CN BOARD	
* 14	3-660-828-00	HOLDER (9), PC BOARD	
* 15	A-4588-763-A	CTRL-B BOARD, COMPLETE	
* 16	2-337-392-01	PLATE, BOTTOM	
17	3-670-155-11	LEG	
* 18	A-4588-762-A	CTRL-A BOARD, COMPLETE	
* 19	2-344-376-01	HOLDER, KEY	

## (2) MAIN SECTION



Note: The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
* 51	A-4588-766-A	MAIN BOARD, COMPLETE		* 59	2-344-315-01	PANEL, BUCK	
* 52	A-4588-767-A	PIO BOARD, COMPLETE		60	4-909-982-31	SCREW, TAPPING	
* 53	A-4588-794-A	PS-SV BOARD, COMPLETE (220-240V AC Area)		61	3-701-947-08	LABEL (T500MA), FUSE (220-240V AC Area)	
* 53	A-4588-795-A	PS-SV BOARD, COMPLETE (120V AC Area)		62	9-911-835-XX	SPACER	
* 54	3-743-347-01	COVER, FUSE		63	3-701-947-08	LABEL (T500MA), FUSE (220-240V AC Area)	
55	2-344-407-01	WASHER (120V AC Area)		$\Delta$ CN101	1-526-954-11	INLET, AC ( $\sim$ AC IN)	
56	3-655-653-01	BAND (TAITON), BINDING		$\Delta$ T101	1-429-357-11	TRANSFORMER, POWER (220-240V AC Area)	
* 57	A-4588-764-A	VIDEO BOARD, COMPLETE		$\Delta$ T101	1-429-571-11	TRANSFORMER, POWER (120V AC Area)	
* 58	3-703-353-12	SUPPORTER, PC BOARD					

CN

CRL-A

CTRL-B

# SECTION 5

## ELECTRICAL PARTS LIST

### NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS  
All resistors are in ohms.  
METAL: Metal-film resistor.  
METAL OXIDE: Metal oxide-film resistor.  
F: nonflammable

- Items marked "\*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS  
In each case, u:  $\mu$ , for example:  
uA.:  $\mu$ A. uPA.:  $\mu$ PA.  
uPB.:  $\mu$ PB. uPC.:  $\mu$ PC. uPD.:  $\mu$ PD.
- CAPACITORS  
uF:  $\mu$ F
- COILS  
uH:  $\mu$ H

The components identified by mark  $\Delta$  or dotted line with mark  $\Delta$  are critical for safety. Replace only with part number specified.

When indicating parts by reference number, please include the board.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
*	1-659-266-11	CN BOARD *****				< RESISTOR >	
		< CONNECTOR >		R1001	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
	CN1601	1-569-668-11 CONNECTOR, BOARD TO BOARD 10P				< SWITCH >	
	CN1602	1-569-668-11 CONNECTOR, BOARD TO BOARD 10P		S1001	1-762-196-21	SWITCH, TACT (INPUT 1-OUTPUT 1)	
	CN1603	1-569-668-11 CONNECTOR, BOARD TO BOARD 10P		S1002	1-762-196-21	SWITCH, TACT (INPUT 2-OUTPUT 1)	
	CN1604	1-569-668-11 CONNECTOR, BOARD TO BOARD 10P		S1003	1-762-196-21	SWITCH, TACT (INPUT 3-OUTPUT 1)	
*	CN1605	1-691-409-11 CONNECTOR, BOARD TO BOARD 10P		S1004	1-762-196-21	SWITCH, TACT (INPUT 4-OUTPUT 1)	
				S1005	1-762-196-21	SWITCH, TACT (INPUT 5-OUTPUT 1)	
*	CN1606	1-691-409-11 CONNECTOR, BOARD TO BOARD 10P		S1006	1-762-196-21	SWITCH, TACT (INPUT 6-OUTPUT 1)	
*****				S1007	1-762-196-21	SWITCH, TACT (INPUT 7-OUTPUT 1)	
*	A-4588-762-A	CTRL-A BOARD, COMPLETE *****		S1008	1-762-196-21	SWITCH, TACT (INPUT 8-OUTPUT 1)	
		< CONNECTOR >		S1009	1-762-196-21	SWITCH, TACT (OFF-OUTPUT 1)	
	CN1001	1-569-671-11 CONNECTOR, BOARD TO BOARD 10P		S1011	1-762-196-21	SWITCH, TACT (INPUT 1-OUTPUT 2)	
	CN1002	1-569-671-11 CONNECTOR, BOARD TO BOARD 10P		S1012	1-762-196-21	SWITCH, TACT (INPUT 2-OUTPUT 2)	
	CN1003	1-564-517-11 PLUG, CONNECTOR 2P		S1013	1-762-196-21	SWITCH, TACT (INPUT 3-OUTPUT 2)	
		< DIODE >		S1014	1-762-196-21	SWITCH, TACT (INPUT 4-OUTPUT 2)	
	D1001	8-719-988-62 DIODE 1SS355		S1015	1-762-196-21	SWITCH, TACT (INPUT 5-OUTPUT 2)	
	D1002	8-719-988-62 DIODE 1SS355		S1016	1-762-196-21	SWITCH, TACT (INPUT 6-OUTPUT 2)	
	D1003	8-719-988-62 DIODE 1SS355		S1017	1-762-196-21	SWITCH, TACT (INPUT 7-OUTPUT 2)	
	D1004	8-719-988-62 DIODE 1SS355		S1018	1-762-196-21	SWITCH, TACT (INPUT 8-OUTPUT 2)	
	D1005	8-719-988-62 DIODE 1SS355		S1019	1-762-196-21	SWITCH, TACT (OFF-OUTPUT 2)	
				*****			
	D1006	8-719-988-62 DIODE 1SS355		*	A-4588-763-A	CTRL-B BOARD, COMPLETE *****	
	D1007	8-719-988-62 DIODE 1SS355				< CONNECTOR >	
	D1008	8-719-988-62 DIODE 1SS355		CN1101	1-569-671-11	CONNECTOR, BOARD TO BOARD 10P	
	D1009	8-719-988-62 DIODE 1SS355		CN1102	1-569-671-11	CONNECTOR, BOARD TO BOARD 10P	
	D1011	8-719-988-62 DIODE 1SS355				< DIODE >	
	D1012	8-719-988-62 DIODE 1SS355		D1101	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 1-OUTPUT 1)	
	D1013	8-719-988-62 DIODE 1SS355		D1102	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 2-OUTPUT 1)	
	D1014	8-719-988-62 DIODE 1SS355		D1103	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 3-OUTPUT 1)	
	D1015	8-719-988-62 DIODE 1SS355		D1104	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 4-OUTPUT 1)	
	D1016	8-719-988-62 DIODE 1SS355		D1105	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 5-OUTPUT 1)	
	D1017	8-719-988-62 DIODE 1SS355		D1106	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 6-OUTPUT 1)	
	D1018	8-719-988-62 DIODE 1SS355					
	D1019	8-719-988-62 DIODE 1SS355					

CTRL-B

L-SW

MAIN

Ref. No.	Part No.	Description	Remark
D1107	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 7-OUTPUT 1)	
D1108	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 8-OUTPUT 1)	
D1109	8-719-053-10	LED SEL2910A-D-TP6 (OFF-OUTPUT 1)	
D1110	8-719-105-82	DIODE RD5.1M-B2	
D1111	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 1-OUTPUT 2)	
D1112	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 2-OUTPUT 2)	
D1113	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 3-OUTPUT 2)	
D1114	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 4-OUTPUT 2)	
D1115	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 5-OUTPUT 2)	
D1116	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 6-OUTPUT 2)	
D1117	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 7-OUTPUT 2)	
D1118	8-719-053-10	LED SEL2910A-D-TP6 (INPUT 8-OUTPUT 2)	
D1119	8-719-053-10	LED SEL2910A-D-TP6 (OFF-OUTPUT 2)	
D1120	8-719-105-82	DIODE RD5.1M-B2	

## &lt; TRANSISTOR &gt;

Q1101	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q1102	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q1103	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q1104	8-729-809-77	TRANSISTOR 2SC3142-J4	

## &lt; RESISTOR &gt;

R1101	1-249-413-11	CARBON 470 5% 1/4W	
R1102	1-249-413-11	CARBON 470 5% 1/4W	
R1103	1-249-413-11	CARBON 470 5% 1/4W	
R1104	1-249-413-11	CARBON 470 5% 1/4W	
R1105	1-249-413-11	CARBON 470 5% 1/4W	
R1106	1-249-413-11	CARBON 470 5% 1/4W	
R1107	1-249-413-11	CARBON 470 5% 1/4W	
R1108	1-249-413-11	CARBON 470 5% 1/4W	
R1109	1-249-411-11	CARBON 330 5% 1/4W	
R1111	1-249-413-11	CARBON 470 5% 1/4W	
R1112	1-249-413-11	CARBON 470 5% 1/4W	
R1113	1-249-413-11	CARBON 470 5% 1/4W	
R1114	1-249-413-11	CARBON 470 5% 1/4W	
R1115	1-249-413-11	CARBON 470 5% 1/4W	
R1116	1-249-413-11	CARBON 470 5% 1/4W	
R1117	1-249-413-11	CARBON 470 5% 1/4W	
R1118	1-249-413-11	CARBON 470 5% 1/4W	
R1119	1-249-411-11	CARBON 330 5% 1/4W	

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\* 1-659-260-11 L-SW BOARD

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## &lt; SWITCH &gt;

S1401	1-554-958-11	SWITCH, SLIDE (PC BOARD) (LOCK)	
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Ref. No.	Part No.	Description	Remark
*	A-4588-766-A	MAIN BOARD, COMPLETE *****	
*	4-363-146-00	HEAT SINK, V. OUT	
	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
		< CAPACITOR >	
C101	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C102	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C103	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C104	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C105	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C151	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C152	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C153	1-126-964-11	ELECT 10uF 20% 50V	
C154	1-126-964-11	ELECT 10uF 20% 50V	
C155	1-126-964-11	ELECT 10uF 20% 50V	
C156	1-126-964-11	ELECT 10uF 20% 50V	
C161	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C162	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C163	1-126-964-11	ELECT 10uF 20% 50V	
C164	1-126-964-11	ELECT 10uF 20% 50V	
C165	1-126-964-11	ELECT 10uF 20% 50V	
C166	1-126-964-11	ELECT 10uF 20% 50V	
C171	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C172	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C173	1-126-964-11	ELECT 10uF 20% 50V	
C174	1-126-964-11	ELECT 10uF 20% 50V	
C175	1-126-964-11	ELECT 10uF 20% 50V	
C176	1-126-964-11	ELECT 10uF 20% 50V	
C181	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C182	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C183	1-126-964-11	ELECT 10uF 20% 50V	
C184	1-126-964-11	ELECT 10uF 20% 50V	
C185	1-126-964-11	ELECT 10uF 20% 50V	
C186	1-126-964-11	ELECT 10uF 20% 50V	
C201	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C202	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C203	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C204	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C205	1-164-004-11	CERAMIC CHIP 0.1uF 10% 25V	
C251	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C252	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	
C253	1-126-964-11	ELECT 10uF 20% 50V	
C254	1-126-964-11	ELECT 10uF 20% 50V	
C255	1-126-964-11	ELECT 10uF 20% 50V	
C256	1-126-964-11	ELECT 10uF 20% 50V	
C261	1-163-251-11	CERAMIC CHIP 100PF 5% 50V	

# MAIN

Ref. No.	Part No.	Description	Remark
C262	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C263	1-126-964-11	ELECT 10uF	20% 50V
C264	1-126-964-11	ELECT 10uF	20% 50V
C265	1-126-964-11	ELECT 10uF	20% 50V
C266	1-126-964-11	ELECT 10uF	20% 50V
C271	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C272	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C273	1-126-964-11	ELECT 10uF	20% 50V
C274	1-126-964-11	ELECT 10uF	20% 50V
C275	1-126-964-11	ELECT 10uF	20% 50V
C276	1-126-964-11	ELECT 10uF	20% 50V
C281	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C282	1-163-251-11	CERAMIC CHIP 100PF	5% 50V
C283	1-126-964-11	ELECT 10uF	20% 50V
C284	1-126-964-11	ELECT 10uF	20% 50V
C285	1-126-964-11	ELECT 10uF	20% 50V
C286	1-126-964-11	ELECT 10uF	20% 50V
C301	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C302	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C303	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C304	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C305	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C306	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C351	1-126-964-11	ELECT 10uF	20% 50V
C352	1-126-964-11	ELECT 10uF	20% 50V
C353	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C354	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C355	1-104-664-11	ELECT 47uF	20% 25V
C356	1-104-664-11	ELECT 47uF	20% 25V
C357	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C358	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C359	1-104-664-11	ELECT 47uF	20% 25V
C360	1-104-664-11	ELECT 47uF	20% 25V
C401	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C402	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C403	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C404	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C405	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C406	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C451	1-126-964-11	ELECT 10uF	20% 50V
C452	1-126-964-11	ELECT 10uF	20% 50V
C453	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C454	1-163-235-11	CERAMIC CHIP 22PF	5% 50V
C455	1-104-664-11	ELECT 47uF	20% 25V
C456	1-104-664-11	ELECT 47uF	20% 25V
C457	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C458	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C459	1-104-664-11	ELECT 47uF	20% 25V
C460	1-104-664-11	ELECT 47uF	20% 25V

Ref. No.	Part No.	Description	Remark
C501	1-164-005-11	CERAMIC CHIP 0.47uF	25V
C502	1-164-005-11	CERAMIC CHIP 0.47uF	25V
C503	1-126-964-11	ELECT 10uF	20% 50V
C504	1-126-964-11	ELECT 10uF	20% 50V
C505	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C506	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C507	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C508	1-125-507-11	CAPACITOR 0.22F	5.5V
C509	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C510	1-124-903-11	ELECT 1uF	20% 50V
C511	1-164-004-11	CERAMIC CHIP 0.1uF	10% 25V
C512	1-124-903-11	ELECT 1uF	20% 50V
C513	1-124-903-11	ELECT 1uF	20% 50V
C514	1-124-903-11	ELECT 1uF	20% 50V
C515	1-126-096-11	ELECT 10uF	20% 35V
C516	1-126-096-11	ELECT 10uF	20% 35V
< JACK >			
CN101	1-695-188-31	JACK, PIN 4P (AUDIO INPUT 1/2)	
CN102	1-695-188-31	JACK, PIN 4P (AUDIO INPUT 3/4)	
CN103	1-695-188-31	JACK, PIN 4P (AUDIO INPUT 5/6)	
CN104	1-695-188-31	JACK, PIN 4P (AUDIO INPUT 7/8)	
CN105	1-695-188-31	JACK, PIN 4P (AUDIO OUTPUT 1/2)	
< CONNECTOR >			
* CN107	1-564-712-11	PIN, CONNECTOR (SMALL TYPE)10P	
* CN108	1-691-407-11	CONNECTOR, BOARD TO BOARD 10P	
* CN109	1-691-407-11	CONNECTOR, BOARD TO BOARD 10P	
CN110	1-568-666-11	CONNECTOR, BOARD TO BOARD 12P	
CN111	1-568-666-11	CONNECTOR, BOARD TO BOARD 12P	
< DIODE >			
D101	8-719-988-62	DIODE 1SS355	
D102	8-719-988-62	DIODE 1SS355	
D103	8-719-988-62	DIODE 1SS355	
D104	8-719-988-62	DIODE 1SS355	
D105	8-719-988-62	DIODE 1SS355	
D106	8-719-988-62	DIODE 1SS355	
D107	8-719-988-62	DIODE 1SS355	
D109	8-719-988-62	DIODE 1SS355	
D111	8-719-988-62	DIODE 1SS355	
D112	8-719-988-62	DIODE 1SS355	
D113	8-719-105-82	DIODE RD5.1M-B2	
D151	8-719-108-12	DIODE RD9.1E-W	
D152	8-719-108-12	DIODE RD9.1E-W	
D161	8-719-108-12	DIODE RD9.1E-W	
D162	8-719-108-12	DIODE RD9.1E-W	
D171	8-719-108-12	DIODE RD9.1E-W	
D172	8-719-108-12	DIODE RD9.1E-W	

Ref. No.	Part No.	Description	Remark
D181	8-719-108-12	DIODE RD9. 1E-W	
D182	8-719-108-12	DIODE RD9. 1E-W	
D201	8-719-988-62	DIODE 1SS355	
D202	8-719-988-62	DIODE 1SS355	
D203	8-719-988-62	DIODE 1SS355	
D204	8-719-988-62	DIODE 1SS355	
D205	8-719-988-62	DIODE 1SS355	
D206	8-719-988-62	DIODE 1SS355	
D207	8-719-988-62	DIODE 1SS355	
D209	8-719-988-62	DIODE 1SS355	
D211	8-719-988-62	DIODE 1SS355	
D212	8-719-988-62	DIODE 1SS355	
D213	8-719-105-82	DIODE RD5. 1M-B2	
D251	8-719-108-12	DIODE RD9. 1E-W	
D252	8-719-108-12	DIODE RD9. 1E-W	
D261	8-719-108-12	DIODE RD9. 1E-W	
D262	8-719-108-12	DIODE RD9. 1E-W	
D271	8-719-108-12	DIODE RD9. 1E-W	
D272	8-719-108-12	DIODE RD9. 1E-W	
D281	8-719-108-12	DIODE RD9. 1E-W	
D282	8-719-108-12	DIODE RD9. 1E-W	
D301	8-719-988-62	DIODE 1SS355	
D302	8-719-988-62	DIODE 1SS355	
D303	8-719-988-62	DIODE 1SS355	
D304	8-719-988-62	DIODE 1SS355	
D305	8-719-988-62	DIODE 1SS355	
D307	8-719-988-62	DIODE 1SS355	
D308	8-719-988-62	DIODE 1SS355	
D310	8-719-988-62	DIODE 1SS355	
D351	8-719-108-12	DIODE RD9. 1E-W	
D352	8-719-108-12	DIODE RD9. 1E-W	
D353	8-719-200-82	DIODE 11ES2	
D401	8-719-988-62	DIODE 1SS355	
D402	8-719-988-62	DIODE 1SS355	
D403	8-719-988-62	DIODE 1SS355	
D404	8-719-988-62	DIODE 1SS355	
D405	8-719-988-62	DIODE 1SS355	
D406	8-719-988-62	DIODE 1SS355	
D408	8-719-988-62	DIODE 1SS355	
D410	8-719-988-62	DIODE 1SS355	
D451	8-719-108-12	DIODE RD9. 1E-W	
D452	8-719-108-12	DIODE RD9. 1E-W	
D453	8-719-200-82	DIODE 11ES2	
D501	8-719-200-82	DIODE 11ES2	
D502	8-719-200-82	DIODE 11ES2	
D503	8-719-200-82	DIODE 11ES2	
D504	8-719-200-82	DIODE 11ES2	
D505	8-719-105-82	DIODE RD5. 1M-B2	

Ref. No.	Part No.	Description	Remark
D506	8-719-105-82	DIODE RD5. 1M-B2	
D507	8-719-988-62	DIODE 1SS355	
D508	8-719-988-62	DIODE 1SS355	
D509	8-719-988-62	DIODE 1SS355	
D510	8-719-988-62	DIODE 1SS355	
D511	8-719-988-62	DIODE 1SS355	
D512	8-719-988-62	DIODE 1SS355	
D513	8-719-988-62	DIODE 1SS355	
D514	8-719-988-62	DIODE 1SS355	
D515	8-719-988-62	DIODE 1SS355	
D516	8-719-988-62	DIODE 1SS355	
D517	8-719-988-62	DIODE 1SS355	
D518	8-719-988-62	DIODE 1SS355	
D519	8-719-988-62	DIODE 1SS355	
D521	8-719-988-62	DIODE 1SS355	
D522	8-719-988-62	DIODE 1SS355	
D524	8-719-988-62	DIODE 1SS355	
D525	8-719-988-62	DIODE 1SS355	
D526	8-719-988-62	DIODE 1SS355	
D527	8-719-988-62	DIODE 1SS355	
D533	8-719-988-62	DIODE 1SS355	
D534	8-719-988-62	DIODE 1SS355	
D535	8-719-422-43	DIODE MA8051-H	
< IC >			
IC101	8-759-802-52	IC LC7818	
IC102	8-759-802-52	IC LC7818	
IC103	8-759-000-21	IC MC14012BCP	
IC151	8-759-745-64	IC NJM4560M	
IC161	8-759-745-64	IC NJM4560M	
IC171	8-759-745-64	IC NJM4560M	
IC181	8-759-745-64	IC NJM4560M	
IC201	8-759-802-52	IC LC7818	
IC202	8-759-802-52	IC LC7818	
IC251	8-759-745-64	IC NJM4560M	
IC261	8-759-745-64	IC NJM4560M	
IC271	8-759-745-64	IC NJM4560M	
IC281	8-759-745-64	IC NJM4560M	
IC301	8-759-802-52	IC LC7818	
IC302	8-759-802-52	IC LC7818	
IC303	8-759-000-21	IC MC14012BCP	
IC351	8-759-745-64	IC NJM4560M	
IC401	8-759-802-52	IC LC7818	
IC402	8-759-802-52	IC LC7818	
IC451	8-759-745-64	IC NJM4560M	
IC501	8-759-231-57	IC TA7810S	
IC502	8-759-245-84	IC TA79010S	

# MAIN

Ref. No.	Part No.	Description	Remark
< TRANSISTOR >			
Q101	8-729-421-19	TRANSISTOR UN2213	
Q102	8-729-421-19	TRANSISTOR UN2213	
Q104	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q201	8-729-421-19	TRANSISTOR UN2213	
Q202	8-729-421-19	TRANSISTOR UN2213	
Q204	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q301	8-729-421-19	TRANSISTOR UN2213	
Q302	8-729-421-19	TRANSISTOR UN2213	
Q303	8-729-421-19	TRANSISTOR UN2213	
Q351	8-729-202-38	TRANSISTOR 2SC3326N	
Q352	8-729-202-38	TRANSISTOR 2SC3326N	
Q353	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q401	8-729-421-19	TRANSISTOR UN2213	
Q402	8-729-421-19	TRANSISTOR UN2213	
Q403	8-729-421-19	TRANSISTOR UN2213	
Q451	8-729-202-38	TRANSISTOR 2SC3326N	
Q452	8-729-202-38	TRANSISTOR 2SC3326N	
Q453	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q502	8-729-809-77	TRANSISTOR 2SC3142-J4	
Q503	8-729-140-97	TRANSISTOR 2SB734-34	
Q504	8-729-421-19	TRANSISTOR UN2213	
Q505	8-729-421-19	TRANSISTOR UN2213	
Q506	8-729-421-19	TRANSISTOR UN2213	
Q507	8-729-421-19	TRANSISTOR UN2213	
Q508	8-729-202-38	TRANSISTOR 2SC3326N	
< RESISTOR >			
R101	1-216-037-00	METAL CHIP 330 5% 1/10W	
R102	1-216-037-00	METAL CHIP 330 5% 1/10W	
R103	1-216-037-00	METAL CHIP 330 5% 1/10W	
R104	1-216-037-00	METAL CHIP 330 5% 1/10W	
R106	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R107	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R108	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R111	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R112	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R113	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R114	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R115	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R116	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R117	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R118	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R119	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R120	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R121	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R121	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R122	1-216-089-91	METAL GLAZE 47K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R123	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R125	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R127	1-216-037-00	METAL CHIP 330 5% 1/10W	
R128	1-216-037-00	METAL CHIP 330 5% 1/10W	
R129	1-216-037-00	METAL CHIP 330 5% 1/10W	
R130	1-216-037-00	METAL CHIP 330 5% 1/10W	
R151	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R152	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R153	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R154	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R155	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R156	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R161	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R162	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R163	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R164	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R165	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R166	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R171	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R172	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R173	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R174	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R175	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R176	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R181	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R182	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R183	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R184	1-216-049-91	METAL GLAZE 1K 5% 1/10W	
R185	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R186	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R201	1-216-037-00	METAL CHIP 330 5% 1/10W	
R202	1-216-037-00	METAL CHIP 330 5% 1/10W	
R203	1-216-037-00	METAL CHIP 330 5% 1/10W	
R204	1-216-037-00	METAL CHIP 330 5% 1/10W	
R206	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R207	1-216-097-91	METAL GLAZE 100K 5% 1/10W	
R208	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R211	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R212	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R213	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R214	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R215	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R216	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R217	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R218	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R219	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R220	1-216-089-91	METAL GLAZE 47K 5% 1/10W	
R221	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R221	1-216-073-00	METAL CHIP 10K 5% 1/10W	



Ref. No.	Part No.	Description	Remark		
R223	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R224	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R225	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R227	1-216-037-00	METAL CHIP	330	5%	1/10W
R228	1-216-037-00	METAL CHIP	330	5%	1/10W
R229	1-216-037-00	METAL CHIP	330	5%	1/10W
R230	1-216-037-00	METAL CHIP	330	5%	1/10W
R251	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R252	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R253	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R254	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R255	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R256	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R261	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R262	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R263	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R264	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R265	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R266	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R271	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R272	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R273	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R274	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R275	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R276	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R281	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R282	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R283	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R284	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R285	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R286	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R301	1-216-037-00	METAL CHIP	330	5%	1/10W
R302	1-216-037-00	METAL CHIP	330	5%	1/10W
R303	1-216-037-00	METAL CHIP	330	5%	1/10W
R304	1-216-037-00	METAL CHIP	330	5%	1/10W
R306	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R307	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R308	1-216-073-00	METAL CHIP	10K	5%	1/10W
R309	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R310	1-216-073-00	METAL CHIP	10K	5%	1/10W
R311	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R312	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R313	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R314	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R315	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R316	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R317	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R318	1-216-089-91	METAL GLAZE	47K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R320	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R321	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R321	1-216-073-00	METAL CHIP	10K	5%	1/10W
R322	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R323	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R325	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R327	1-216-037-00	METAL CHIP	330	5%	1/10W
R328	1-216-037-00	METAL CHIP	330	5%	1/10W
R329	1-216-037-00	METAL CHIP	330	5%	1/10W
R330	1-216-037-00	METAL CHIP	330	5%	1/10W
R351	1-216-073-00	METAL CHIP	10K	5%	1/10W
R352	1-216-073-00	METAL CHIP	10K	5%	1/10W
R353	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R354	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R355	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R356	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R357	1-216-041-00	METAL CHIP	470	5%	1/10W
R358	1-216-041-00	METAL CHIP	470	5%	1/10W
R359	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R360	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R361	1-216-073-00	METAL CHIP	10K	5%	1/10W
R362	1-216-073-00	METAL CHIP	10K	5%	1/10W
R363	1-216-073-00	METAL CHIP	10K	5%	1/10W
R364	1-216-073-00	METAL CHIP	10K	5%	1/10W
R365	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R366	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R367	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R368	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R401	1-216-037-00	METAL CHIP	330	5%	1/10W
R402	1-216-037-00	METAL CHIP	330	5%	1/10W
R403	1-216-037-00	METAL CHIP	330	5%	1/10W
R404	1-216-037-00	METAL CHIP	330	5%	1/10W
R406	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R407	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R408	1-216-073-00	METAL CHIP	10K	5%	1/10W
R409	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R410	1-216-073-00	METAL CHIP	10K	5%	1/10W
R411	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R412	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R413	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R414	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R415	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R416	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R417	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R418	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R420	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R421	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R421	1-216-073-00	METAL CHIP	10K	5%	1/10W

## MAIN

## PIO

Ref. No.	Part No.	Description			Remark
R422	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R423	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R425	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R427	1-216-037-00	METAL CHIP	330	5%	1/10W
R428	1-216-037-00	METAL CHIP	330	5%	1/10W
R429	1-216-037-00	METAL CHIP	330	5%	1/10W
R430	1-216-037-00	METAL CHIP	330	5%	1/10W
R451	1-216-073-00	METAL CHIP	10K	5%	1/10W
R452	1-216-073-00	METAL CHIP	10K	5%	1/10W
R453	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R454	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R455	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R456	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R457	1-216-041-00	METAL CHIP	470	5%	1/10W
R458	1-216-041-00	METAL CHIP	470	5%	1/10W
R459	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R460	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R461	1-216-073-00	METAL CHIP	10K	5%	1/10W
R462	1-216-073-00	METAL CHIP	10K	5%	1/10W
R463	1-216-073-00	METAL CHIP	10K	5%	1/10W
R464	1-216-073-00	METAL CHIP	10K	5%	1/10W
R465	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R466	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R467	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R468	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R501	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R502	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R503	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R504	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R505	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R506	1-216-073-00	METAL CHIP	10K	5%	1/10W
R509	1-216-073-00	METAL CHIP	10K	5%	1/10W
R510	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R512	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R513	1-216-053-00	METAL CHIP	1.5K	5%	1/10W
R514	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R515	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R516	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R520	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R522	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R524	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R525	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R526	1-216-049-91	METAL GLAZE	1K	5%	1/10W

## &lt; RELAY &gt;

RY351 1-515-727-11 RELAY  
RY451 1-515-727-11 RELAY

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Ref. No.	Part No.	Description		Remark
*	A-4588-767-A	PIO BOARD, COMPLETE		
		*****		
		< CAPACITOR >		
C1501	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1502	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1503	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1504	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1521	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1522	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1523	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1524	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1541	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1542	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1543	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1544	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1561	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1562	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1563	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1564	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1581	1-163-038-91	CERAMIC CHIP	0.1uF	25V
C1582	1-163-038-91	CERAMIC CHIP	0.1uF	25V
		< CONNECTOR >		
CN1501	1-568-672-11	CONNECTOR, BOARD TO BOARD 12P		
CN1502	1-568-672-11	CONNECTOR, BOARD TO BOARD 12P		
CN1503	1-764-121-21	SOCKET, (D) SUB CONNECTOR 25P		(REMOTE PIO)
		< TRANSISTOR >		
Q1501	8-729-805-44	TRANSISTOR	2SC3397	
Q1502	8-729-421-19	TRANSISTOR	UN2213	
Q1503	8-729-805-44	TRANSISTOR	2SC3397	
Q1504	8-729-421-19	TRANSISTOR	UN2213	
Q1505	8-729-805-44	TRANSISTOR	2SC3397	
Q1506	8-729-421-19	TRANSISTOR	UN2213	
Q1507	8-729-805-44	TRANSISTOR	2SC3397	
Q1508	8-729-421-19	TRANSISTOR	UN2213	
Q1521	8-729-805-44	TRANSISTOR	2SC3397	
Q1522	8-729-421-19	TRANSISTOR	UN2213	
Q1523	8-729-805-44	TRANSISTOR	2SC3397	
Q1524	8-729-421-19	TRANSISTOR	UN2213	
Q1525	8-729-805-44	TRANSISTOR	2SC3397	
Q1526	8-729-421-19	TRANSISTOR	UN2213	
Q1527	8-729-805-44	TRANSISTOR	2SC3397	
Q1528	8-729-421-19	TRANSISTOR	UN2213	
Q1541	8-729-805-44	TRANSISTOR	2SC3397	
Q1542	8-729-421-19	TRANSISTOR	UN2213	

Ref. No.	Part No.	Description	Remark		
Q1543	8-729-805-44	TRANSISTOR	2SC3397		
Q1544	8-729-421-19	TRANSISTOR	UN2213		
Q1545	8-729-805-44	TRANSISTOR	2SC3397		
Q1546	8-729-421-19	TRANSISTOR	UN2213		
Q1547	8-729-805-44	TRANSISTOR	2SC3397		
Q1548	8-729-421-19	TRANSISTOR	UN2213		
Q1561	8-729-805-44	TRANSISTOR	2SC3397		
Q1562	8-729-421-19	TRANSISTOR	UN2213		
Q1563	8-729-805-44	TRANSISTOR	2SC3397		
Q1564	8-729-421-19	TRANSISTOR	UN2213		
Q1565	8-729-805-44	TRANSISTOR	2SC3397		
Q1566	8-729-421-19	TRANSISTOR	UN2213		
Q1567	8-729-805-44	TRANSISTOR	2SC3397		
Q1568	8-729-421-19	TRANSISTOR	UN2213		
Q1581	8-729-805-44	TRANSISTOR	2SC3397		
Q1582	8-729-421-19	TRANSISTOR	UN2213		
Q1583	8-729-805-44	TRANSISTOR	2SC3397		
Q1584	8-729-421-19	TRANSISTOR	UN2213		
Q1585	8-729-421-19	TRANSISTOR	UN2213		
Q1586	8-729-202-38	TRANSISTOR	2SC3326N		
Q1587	8-729-421-19	TRANSISTOR	UN2213		
Q1588	8-729-202-38	TRANSISTOR	2SC3326N		
Q1589	8-729-421-19	TRANSISTOR	UN2213		
Q1590	8-729-421-19	TRANSISTOR	UN2213		
< RESISTOR >					
R1501	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1502	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1503	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1504	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1505	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1506	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1507	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1508	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1509	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1510	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1511	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1512	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1513	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1514	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1515	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1516	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1521	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1522	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1523	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1524	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1525	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1526	1-216-089-91	METAL GLAZE	47K	5%	1/10W

Ref. No.	Part No.	Description	Remark		
R1527	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1528	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1529	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1530	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1531	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1532	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1533	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1534	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1535	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1536	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1541	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1542	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1543	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1544	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1545	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1546	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1547	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1548	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1549	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1550	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1551	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1552	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1553	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1554	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1555	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1556	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1561	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1562	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1563	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1564	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1565	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1566	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1567	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1568	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1569	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1570	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1571	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1572	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1573	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1574	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1575	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1576	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1581	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1582	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1583	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R1584	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1585	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1586	1-216-089-91	METAL GLAZE	47K	5%	1/10W

PIO

PS-SV

Ref. No.	Part No.	Description	Remark		
R1587	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1588	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1589	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1590	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R1591	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1592	1-216-073-00	METAL CHIP	10K	5%	1/10W
R1593	1-216-085-00	METAL CHIP	33K	5%	1/10W
R1594	1-216-085-00	METAL CHIP	33K	5%	1/10W
*****					
*	A-4588-795-A PS-SV BOARD, COMPLETE (120V AC Area)				
*	A-4588-794-A PS-SV BOARD, COMPLETE (220-240V AC Area)				
*****					
	1-533-293-11 FUSE HOLDER				
*	1-560-242-31 BUS BAR 5P				
	7-685-646-79 SCREW +BVTP		3X8	TYPE2 N-S	
< CAPACITOR >					
C801	1-126-964-11	ELECT	10uF	20%	50V
C802	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C803	1-126-964-11	ELECT	10uF	20%	50V
C804	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C805	1-126-964-11	ELECT	10uF	20%	50V
C806	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C807	1-126-964-11	ELECT	10uF	20%	50V
C808	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C811	1-126-964-11	ELECT	10uF	20%	50V
C812	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C813	1-126-964-11	ELECT	10uF	20%	50V
C814	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C815	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C816	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C817	1-126-964-11	ELECT	10uF	20%	50V
C818	1-126-964-11	ELECT	10uF	20%	50V
C819	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C820	1-126-964-11	ELECT	10uF	20%	50V
C821	1-126-964-11	ELECT	10uF	20%	50V
C822	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C823	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C824	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C825	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C826	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C827	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C828	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C831	1-126-964-11	ELECT	10uF	20%	50V
C832	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C833	1-126-964-11	ELECT	10uF	20%	50V
C834	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C835	1-126-933-11	ELECT	100uF	20%	16V

Ref. No.	Part No.	Description	Remark		
C836	1-126-933-11	ELECT	100uF	20%	16V
C837	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C838	1-126-933-11	ELECT	100uF	20%	16V
C839	1-126-933-11	ELECT	100uF	20%	16V
C840	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C841	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C842	1-126-933-11	ELECT	100uF	20%	16V
C843	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C844	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C845	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C846	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C847	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C848	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C849	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C850	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C851	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C852	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C853	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C854	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C855	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C856	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C857	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C858	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C859	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C860	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C861	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C862	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C863	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C864	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C865	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C866	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C867	1-163-251-11	CERAMIC CHIP	100PF	5%	50V
C868	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C869	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C870	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C871	1-163-239-11	CERAMIC CHIP	33PF	5%	50V
C901	1-136-165-00	FILM	0.1uF	5%	50V
C902	1-125-741-11	ELECT	12000uF	20%	25V
C903	1-128-548-11	ELECT	4700uF	20%	25V
C904	1-126-933-11	ELECT	100uF	20%	16V
C905	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C906	1-104-664-11	ELECT	47uF	20%	25V
C907	1-126-963-11	ELECT	4.7uF	20%	50V
C908	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C909	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C910	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C911	1-163-038-91	CERAMIC CHIP	0.1uF		25V
C920	1-126-964-11	ELECT	10uF	20%	50V
C921	1-126-964-11	ELECT	10uF	20%	50V

Ref. No.	Part No.	Description	Remark
C931	1-126-964-11	ELECT 10uF	20% 50V
C933	1-126-964-11	ELECT 10uF	20% 50V
< CONNECTOR >			
CN801	1-566-846-11	CONNECTOR, (S) TERMINAL 4P (S VIDEO INPUT 1)	
CN802	1-566-846-11	CONNECTOR, (S) TERMINAL 4P (S VIDEO INPUT 2)	
CN803	1-566-847-41	CONNECTOR, (S) TERMINAL 4P (S VIDEO INPUT 3)	
CN804	1-566-846-11	CONNECTOR, (S) TERMINAL 4P (S VIDEO INPUT 4)	
CN805	1-566-847-41	CONNECTOR, (S) TERMINAL 4P (S VIDEO OUTPUT 1)	
CN806	1-566-846-11	CONNECTOR, (S) TERMINAL 4P (S VIDEO OUTPUT 2)	
* CN807	1-691-409-11	CONNECTOR, BOARD TO BOARD 10P	
CN901	1-564-321-00	PIN, CONNECTOR 2P	
* CN902	1-564-321-21	PIN, CONNECTOR 2P	
* CN903	1-564-687-11	PIN, CONNECTOR 3P (120V AC Area)	
* CN904	1-564-687-11	PIN, CONNECTOR 3P (220-240V AC Area)	
* CN905	1-565-395-11	PIN, CONNECTOR 3P	
CN906	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
< DIODE >			
D801	8-719-106-44	DIODE RD9. 1M-B2	
D802	8-719-106-44	DIODE RD9. 1M-B2	
D803	8-719-106-44	DIODE RD9. 1M-B2	
D804	8-719-106-44	DIODE RD9. 1M-B2	
D805	8-719-106-44	DIODE RD9. 1M-B2	
D806	8-719-106-44	DIODE RD9. 1M-B2	
D807	8-719-106-44	DIODE RD9. 1M-B2	
D808	8-719-106-44	DIODE RD9. 1M-B2	
D809	8-719-106-44	DIODE RD9. 1M-B2	
D810	8-719-106-44	DIODE RD9. 1M-B2	
D811	8-719-106-44	DIODE RD9. 1M-B2	
D812	8-719-106-44	DIODE RD9. 1M-B2	
D813	8-719-200-82	DIODE 11ES2	
D814	8-719-200-82	DIODE 11ES2	
D815	8-719-106-44	DIODE RD9. 1M-B2	
D816	8-719-106-44	DIODE RD9. 1M-B2	
D901	8-719-500-36	DIODE D2SB20	
D902	8-719-200-82	DIODE 11ES2	
D903	8-719-200-82	DIODE 11ES2	
D904	8-719-200-82	DIODE 11ES2	
< FUSE >			
△F901	1-532-741-11	FUSE, GLASS TUBE (1.25A/125V) (120V AC Area)	
△F901	1-532-279-11	FUSE, TIME-LAG (0.5A/230V) (220-240V AC Area)	

Ref. No.	Part No.	Description	Remark
< IC >			
IC801	8-759-085-51	IC NJM2284M	
IC802	8-759-085-51	IC NJM2284M	
IC803	8-759-085-51	IC NJM2284M	
IC804	8-759-085-51	IC NJM2284M	
IC805	8-759-085-51	IC NJM2284M	
IC806	8-759-085-51	IC NJM2284M	
IC807	8-759-293-21	IC NJM2268M	
IC808	8-759-293-21	IC NJM2268M	
IC901	8-759-231-57	IC TA7810S	
IC902	8-759-603-34	IC M51954BL	
IC903	8-759-231-57	IC TA7810S	
< CHIP CONDUCTOR >			
JC870	1-216-295-91	CONDUCTOR, CHIP	(2012)
JC871	1-216-296-91	CONDUCTOR, CHIP	(3216)
JC872	1-216-295-91	CONDUCTOR, CHIP	(2012)
JC873	1-216-296-91	CONDUCTOR, CHIP	(3216)
JC874	1-216-295-91	CONDUCTOR, CHIP	(2012)
< COIL >			
L901	1-408-421-00	INDUCTOR 100uH	
< TRANSISTOR >			
Q801	8-729-421-19	TRANSISTOR UN2213	
Q802	8-729-421-19	TRANSISTOR UN2213	
Q803	8-729-421-19	TRANSISTOR UN2213	
Q804	8-729-421-19	TRANSISTOR UN2213	
< RESISTOR >			
R801	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R802	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R803	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R804	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R805	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R806	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R807	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R808	1-216-171-00	METAL GLAZE 75 5% 1/8W	
R811	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R812	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R813	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R814	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R815	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R816	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	
R817	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R818	1-216-073-00	METAL CHIP 10K 5% 1/10W	
R819	1-216-057-00	METAL CHIP 2.2K 5% 1/10W	

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# PS-SV

Ref. No.	Part No.	Description	Remark
R820	1-216-073-00	METAL CHIP	10K 5% 1/10W
R821	1-216-073-00	METAL CHIP	10K 5% 1/10W
R822	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R823	1-216-073-00	METAL CHIP	10K 5% 1/10W
R824	1-216-073-00	METAL CHIP	10K 5% 1/10W
R825	1-216-073-00	METAL CHIP	10K 5% 1/10W
R826	1-216-073-00	METAL CHIP	10K 5% 1/10W
R831	1-216-170-00	METAL GLAZE	68 5% 1/8W
R832	1-216-170-00	METAL GLAZE	68 5% 1/8W
R834	1-216-170-00	METAL GLAZE	68 5% 1/8W
R835	1-216-170-00	METAL GLAZE	68 5% 1/8W
△R836	1-212-849-00	FUSIBLE	4. 7 5% 1/4W F
R837	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R838	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R839	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R840	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R841	1-216-073-00	METAL CHIP	10K 5% 1/10W
R842	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R843	1-216-073-00	METAL CHIP	10K 5% 1/10W
R844	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R845	1-216-013-00	METAL CHIP	33 5% 1/10W
R846	1-216-017-91	METAL GLAZE	47 5% 1/10W
R847	1-216-013-00	METAL CHIP	33 5% 1/10W
R848	1-216-017-91	METAL GLAZE	47 5% 1/10W
R901	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R903	1-216-057-00	METAL CHIP	2. 2K 5% 1/10W
R904	1-216-049-91	METAL GLAZE	1K 5% 1/10W
R905	1-216-049-91	METAL GLAZE	1K 5% 1/10W
△R906	1-212-849-00	FUSIBLE	4. 7 5% 1/4W F
△R907	1-212-849-00	FUSIBLE	4. 7 5% 1/4W F
△R908	1-212-849-00	FUSIBLE	4. 7 5% 1/4W F
*****			
*	1-659-261-11	PW-LED BOARD	*****
< CONNECTOR >			
CN1301	1-564-517-11	PLUG, CONNECTOR 2P	
< DIODE >			
D1301	8-719-812-43	LED TLG124A (POWER)	
*****			
*	1-659-259-11	PW-SW BOARD	*****
*	4-374-846-01	COVER, CAPACITOR, CAP TYPE	

Ref. No.	Part No.	Description	Remark
< CAPACITOR >			
C1201	1-113-916-11	CERAMIC	0. 01uF 20% 250V
< SWITCH >			
S1201	1-572-267-21	SWITCH, PUSH (AC POWER) (1 KEY) (POWER)	
*****			
*	A-4588-764-A	VIDEO BOARD, COMPLETE	*****
< CAPACITOR >			
C600	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C601	1-126-964-11	ELECT	10uF 20% 50V
C602	1-126-964-11	ELECT	10uF 20% 50V
C603	1-126-964-11	ELECT	10uF 20% 50V
C604	1-126-964-11	ELECT	10uF 20% 50V
C605	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C606	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C607	1-126-964-11	ELECT	10uF 20% 50V
C608	1-126-964-11	ELECT	10uF 20% 50V
C609	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C610	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C611	1-126-964-11	ELECT	10uF 20% 50V
C612	1-126-964-11	ELECT	10uF 20% 50V
C613	1-126-964-11	ELECT	10uF 20% 50V
C614	1-126-964-11	ELECT	10uF 20% 50V
C615	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C616	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C617	1-126-964-11	ELECT	10uF 20% 50V
C618	1-126-964-11	ELECT	10uF 20% 50V
C619	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C620	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C621	1-126-964-11	ELECT	10uF 20% 50V
C622	1-126-964-11	ELECT	10uF 20% 50V
C623	1-126-964-11	ELECT	10uF 20% 50V
C624	1-126-964-11	ELECT	10uF 20% 50V
C625	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C626	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C627	1-126-964-11	ELECT	10uF 20% 50V
C628	1-126-964-11	ELECT	10uF 20% 50V
C629	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C630	1-163-038-91	CERAMIC CHIP	0. 1uF 25V
C631	1-126-964-11	ELECT	10uF 20% 50V
C632	1-126-964-11	ELECT	10uF 20% 50V
C633	1-126-964-11	ELECT	10uF 20% 50V
C634	1-126-964-11	ELECT	10uF 20% 50V
C635	1-163-038-91	CERAMIC CHIP	0. 1uF 25V

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
C636	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C637	1-126-964-11	ELECT	10uF	20%	50V		
C638	1-126-964-11	ELECT	10uF	20%	50V		
C639	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C640	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C641	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C642	1-126-964-11	ELECT	10uF	20%	50V		
C643	1-126-964-11	ELECT	10uF	20%	50V		
C644	1-126-964-11	ELECT	10uF	20%	50V		
C645	1-126-934-11	ELECT	220uF	20%	16V		
C646	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C647	1-126-916-11	ELECT	1000uF	20%	6. 3V		
C648	1-126-934-11	ELECT	220uF	20%	16V		
C650	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C651	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C652	1-126-964-11	ELECT	10uF	20%	50V		
C653	1-126-964-11	ELECT	10uF	20%	50V		
C654	1-126-964-11	ELECT	10uF	20%	50V		
C655	1-126-934-11	ELECT	220uF	20%	16V		
C656	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C657	1-126-916-11	ELECT	1000uF	20%	6. 3V		
C658	1-126-934-11	ELECT	220uF	20%	16V		
C661	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		
C662	1-104-664-11	ELECT	47uF	20%	25V		
C663	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C664	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C671	1-163-125-00	CERAMIC CHIP	220PF	5%	50V		
C672	1-104-664-11	ELECT	47uF	20%	25V		
C673	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C674	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C675	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C676	1-126-964-11	ELECT	10uF	20%	50V		
C677	1-126-964-11	ELECT	10uF	20%	50V		
C678	1-126-964-11	ELECT	10uF	20%	50V		
C679	1-126-964-11	ELECT	10uF	20%	50V		
C680	1-126-964-11	ELECT	10uF	20%	50V		
C681	1-126-964-11	ELECT	10uF	20%	50V		
C682	1-126-964-11	ELECT	10uF	20%	50V		
C701	1-126-962-11	ELECT	3. 3uF	20%	50V		
C702	1-126-962-11	ELECT	3. 3uF	20%	50V		
C703	1-126-933-11	ELECT	100uF	20%	16V		
C704	1-126-964-11	ELECT	10uF	20%	50V		
C705	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C706	1-104-664-11	ELECT	47uF	20%	25V		
C707	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C708	1-104-664-11	ELECT	47uF	20%	25V		
C709	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
C710	1-163-038-91	CERAMIC CHIP	0. 1uF	25V			
				< CONNECTOR >			
CN601	1-691-431-11	CONNECTOR ASSY, BNC (VIDEO INPUT 1/2)					
CN602	1-691-431-11	CONNECTOR ASSY, BNC (VIDEO INPUT 3/4)					
CN603	1-691-431-11	CONNECTOR ASSY, BNC (VIDEO INPUT 5/6)					
CN604	1-691-431-11	CONNECTOR ASSY, BNC (VIDEO INPUT 7/8)					
CN605	1-691-431-11	CONNECTOR ASSY, BNC (VIDEO OUTPUT 1/2)					
CN701	1-691-431-11	CONNECTOR ASSY, BNC (REF IN IN/THRU OUT)					
* CN704	1-691-407-11	CONNECTOR, BOARD TO BOARD 10P					
COP601	1-566-388-11	PIN, CONNECTOR 2P					
COP602	1-566-388-11	PIN, CONNECTOR 2P					
COP611	1-566-388-11	PIN, CONNECTOR 2P					
COP612	1-566-388-11	PIN, CONNECTOR 2P					
COP621	1-566-388-11	PIN, CONNECTOR 2P					
COP622	1-566-388-11	PIN, CONNECTOR 2P					
COP631	1-566-388-11	PIN, CONNECTOR 2P					
COP632	1-566-388-11	PIN, CONNECTOR 2P					
				< DIODE >			
D601	8-719-106-44	DIODE RD9. 1M-B2					
D602	8-719-106-44	DIODE RD9. 1M-B2					
D611	8-719-106-44	DIODE RD9. 1M-B2					
D612	8-719-106-44	DIODE RD9. 1M-B2					
D621	8-719-106-44	DIODE RD9. 1M-B2					
D622	8-719-106-44	DIODE RD9. 1M-B2					
D631	8-719-106-44	DIODE RD9. 1M-B2					
D632	8-719-106-44	DIODE RD9. 1M-B2					
D641	8-719-108-12	DIODE RD9. 1E-W					
D651	8-719-108-12	DIODE RD9. 1E-W					
D701	8-719-988-62	DIODE 1SS355					
D702	8-719-988-62	DIODE 1SS355					
D703	8-719-988-62	DIODE 1SS355					
D704	8-719-988-62	DIODE 1SS355					
D705	8-719-988-62	DIODE 1SS355					
D706	8-719-988-62	DIODE 1SS355					
D707	8-719-988-62	DIODE 1SS355					
D708	8-719-108-12	DIODE RD9. 1E-W					
				< IC >			
IC601	8-759-295-90	IC NJM2244M-TE2					
IC602	8-759-295-90	IC NJM2244M-TE2					
IC611	8-759-295-90	IC NJM2244M-TE2					
IC612	8-759-295-90	IC NJM2244M-TE2					
IC621	8-759-295-90	IC NJM2244M-TE2					
IC622	8-759-295-90	IC NJM2244M-TE2					
IC631	8-759-295-90	IC NJM2244M-TE2					
IC632	8-759-295-90	IC NJM2244M-TE2					
IC641	8-759-296-70	IC NJM2286M-T1					
IC642	8-759-271-04	IC LT1252CS8					



# PS-SV

Ref. No.	Part No.	Description	Remark
IC651	8-759-296-70 IC	NJM2286M-T1	
IC652	8-759-271-04 IC	LT1252CS8	
IC701	8-759-822-05 IC	LA7213	
IC702	8-759-007-11 IC	MC74HC563N	
IC703	8-759-916-46 IC	SN74HC139AN	
IC704	8-759-094-53 IC	TA7805S	
< TRANSISTOR >			
Q701	8-729-230-49 TRANSISTOR	2SC2712-YG	
Q702	8-729-809-77 TRANSISTOR	2SC3142-J4	
Q703	8-729-421-19 TRANSISTOR	UN2213	
Q704	8-729-421-19 TRANSISTOR	UN2213	
Q705	8-729-421-19 TRANSISTOR	UN2213	
Q706	8-729-421-19 TRANSISTOR	UN2213	
Q707	8-729-421-19 TRANSISTOR	UN2213	
Q708	8-729-421-19 TRANSISTOR	UN2213	
< RESISTOR >			
R601	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R602	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R603	1-216-033-00 METAL CHIP	220 5% 1/10W	
R604	1-216-033-00 METAL CHIP	220 5% 1/10W	
R605	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R606	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R607	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R608	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R611	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R612	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R613	1-216-033-00 METAL CHIP	220 5% 1/10W	
R614	1-216-033-00 METAL CHIP	220 5% 1/10W	
R615	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R616	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R617	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R618	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R621	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R622	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R623	1-216-033-00 METAL CHIP	220 5% 1/10W	
R624	1-216-033-00 METAL CHIP	220 5% 1/10W	
R625	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R626	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R627	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R628	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R631	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R632	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R633	1-216-033-00 METAL CHIP	220 5% 1/10W	
R634	1-216-033-00 METAL CHIP	220 5% 1/10W	
R635	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R636	1-216-109-00 METAL CHIP	330K 5% 1/10W	

Ref. No.	Part No.	Description	Remark
R637	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R638	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R640	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R641	1-216-057-00 METAL CHIP	2.2K 5% 1/10W	
R642	1-216-057-00 METAL CHIP	2.2K 5% 1/10W	
R643	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R644	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R645	1-216-194-00 METAL CHIP	680 5% 1/8W	
R646	1-216-194-00 METAL CHIP	680 5% 1/8W	
R647	1-216-174-00 METAL GLAZE	100 5% 1/8W	
R648	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R649	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R650	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R651	1-216-057-00 METAL CHIP	2.2K 5% 1/10W	
R652	1-216-057-00 METAL CHIP	2.2K 5% 1/10W	
R653	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R654	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R655	1-216-194-00 METAL CHIP	680 5% 1/8W	
R656	1-216-194-00 METAL CHIP	680 5% 1/8W	
R657	1-216-174-00 METAL GLAZE	100 5% 1/8W	
R658	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R659	1-216-171-00 METAL GLAZE	75 5% 1/8W	
R661	1-216-009-00 METAL CHIP	22 5% 1/10W	
R662	1-216-049-91 METAL GLAZE	1K 5% 1/10W	
R663	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R664	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R671	1-216-009-00 METAL CHIP	22 5% 1/10W	
R672	1-216-049-91 METAL GLAZE	1K 5% 1/10W	
R673	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R674	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R681	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R682	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R683	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R684	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R685	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R686	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R687	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R688	1-216-109-00 METAL CHIP	330K 5% 1/10W	
R701	1-216-101-00 METAL CHIP	150K 5% 1/10W	
R702	1-216-097-91 METAL GLAZE	100K 5% 1/10W	
R703	1-216-190-00 METAL GLAZE	470 5% 1/8W	
R704	1-216-105-91 METAL GLAZE	220K 5% 1/10W	
R705	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R706	1-216-186-00 METAL GLAZE	330 5% 1/8W	
R707	1-216-105-91 METAL GLAZE	220K 5% 1/10W	
△R708	1-212-865-00 FUSIBLE	22 5% 1/4W F	
R709	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R710	1-216-073-00 METAL CHIP	10K 5% 1/10W	
R711	1-216-073-00 METAL CHIP	10K 5% 1/10W	

The components identified by mark △ or dotted line with mark △ are critical for safety. Replace only with part number specified.



Ref. No.	Part No.	Description	Remark		
R712	1-216-049-91	METAL GLAZE	1K	5%	1/10W
R713	1-216-089-91	METAL GLAZE	47K	5%	1/10W
R721	1-216-073-00	METAL CHIP	10K	5%	1/10W
R722	1-216-073-00	METAL CHIP	10K	5%	1/10W
R723	1-216-073-00	METAL CHIP	10K	5%	1/10W
R724	1-216-073-00	METAL CHIP	10K	5%	1/10W
R725	1-216-073-00	METAL CHIP	10K	5%	1/10W
R726	1-216-073-00	METAL CHIP	10K	5%	1/10W
R727	1-216-073-00	METAL CHIP	10K	5%	1/10W
R728	1-216-073-00	METAL CHIP	10K	5%	1/10W
R731	1-216-073-00	METAL CHIP	10K	5%	1/10W
R732	1-216-073-00	METAL CHIP	10K	5%	1/10W
R733	1-216-073-00	METAL CHIP	10K	5%	1/10W
R734	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R735	1-216-073-00	METAL CHIP	10K	5%	1/10W
R736	1-216-073-00	METAL CHIP	10K	5%	1/10W
R737	1-216-073-00	METAL CHIP	10K	5%	1/10W
R738	1-216-097-91	METAL GLAZE	100K	5%	1/10W
R739	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R740	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R741	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R742	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R743	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R744	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R745	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R746	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R747	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R748	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R749	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R750	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R751	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R752	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R753	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R754	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R755	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R756	1-216-057-00	METAL CHIP	2.2K	5%	1/10W
R761	1-216-073-00	METAL CHIP	10K	5%	1/10W
R762	1-216-073-00	METAL CHIP	10K	5%	1/10W
R763	1-216-081-00	METAL CHIP	22K	5%	1/10W
R764	1-216-081-00	METAL CHIP	22K	5%	1/10W

MISCELLANEOUS

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- △CN101 1-526-954-11 INLET, AC (AC IN)  
 △T101 1-429-357-11 TRANSFORMER, POWER (220-240V AC Area)  
 △T101 1-429-571-11 TRANSFORMER, POWER (120V AC Area)

Ref. No. Part No. Description Remark

\*\*\*\*\*  
 HARDWARE LIST  
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- #1 7-682-547-09 SCREW +BV 3X6, S TIGHT  
 #2 7-685-870-01 SCREW +BVTT 3X5 (S)  
 #3 7-682-550-04 SCREW +BVTT 3X12 (S)  
 #4 7-682-558-04 SCREW +B 4X4  
 #5 7-682-558-09 SCREW +B 4X4  
 #6 7-682-548-04 SCREW +BVTT 3X8 (S)  
 #7 7-682-260-09 SCREW +K 4X6  
 #8 7-623-423-07 LW 4, TYPE B

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ACCESSORIES & PACKING MATERIALS  
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- △ 1-534-827-14 CORD, POWER (120V AC Area)  
 △ 1-551-631-22 CORD, POWER (220-240V AC Area)  
 \* 2-335-487-01 CUSHION (120V AC Area)  
 \* 2-337-523-01 CUSHION (220-240V AC Area)  
 \* 2-344-370-01 INDIVIDUAL CARTON  
 2-344-371-11 MANUAL, INSTRUCTIONS (ENGLISH)

The components identified by  
 mark △ or dotted line with mark  
 △ are critical for safety.  
 Replace only with part number  
 specified.

**PVS-820S**

**9-977-939-11**

**Sony Sound Tec Corporation**

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**96C0501-1**  
Printed in Japan  
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